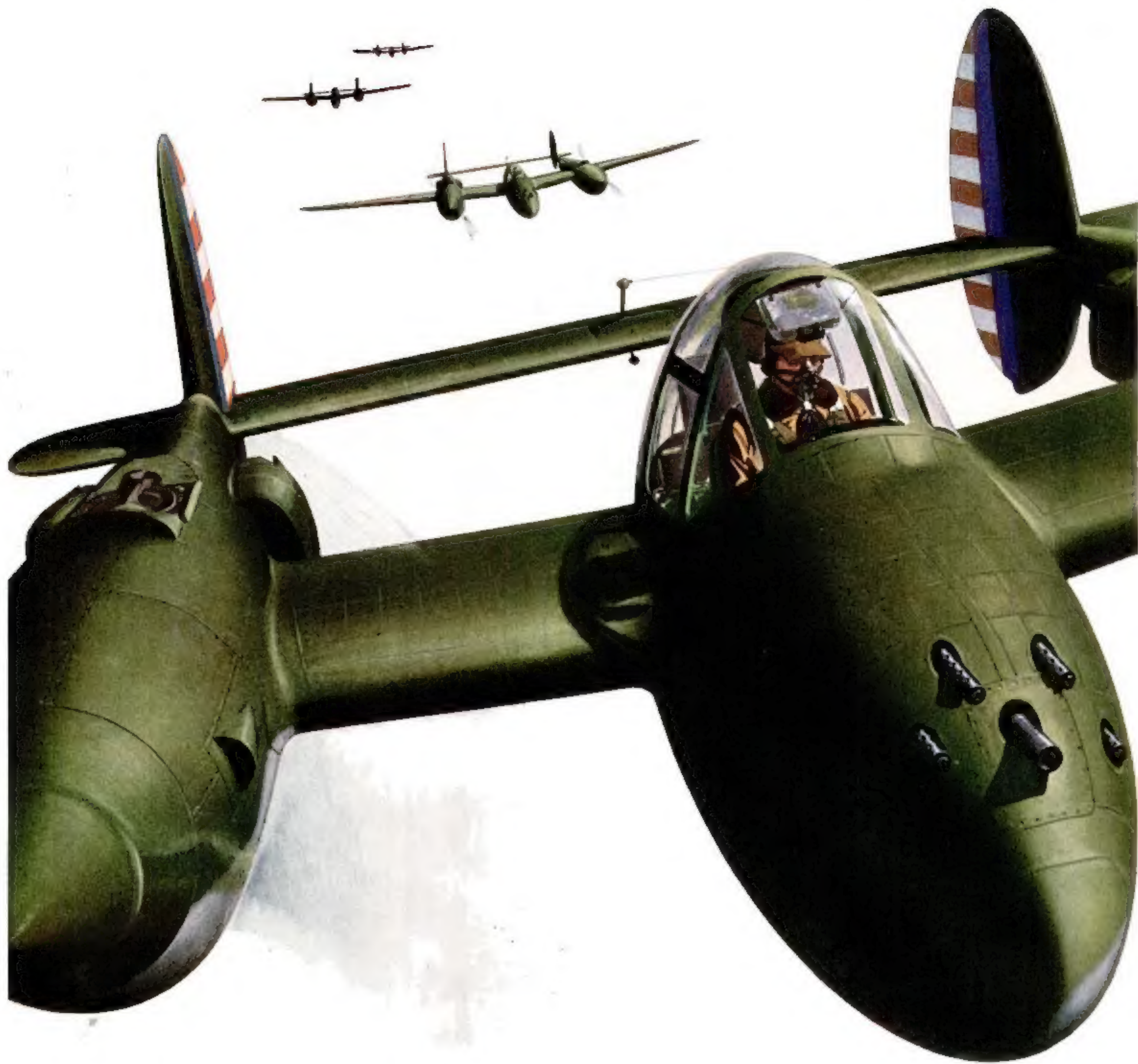


LIFE



JULY 13, 1942 **10** CENTS
YEARLY SUBSCRIPTION \$4.50



So it's a fight they want...

They wanted a fight. They started it...11 years ago in Manchuria...8 years ago in Ethiopia...3 years ago in Poland and 7 months ago at Pearl Harbor. American diplomats continued negotiations to the zero hour of the attack.

But now America has discarded the kid gloves of diplomacy for the grim strategy of arms, and American industry shares fully in acceptance of that challenge.

Your American aviation industry is prepared and expanded. Now, it builds the best airplanes in the world, of every type...and more of them than any

other nation. Lockheed will *continue* to strain every sinew...to produce more and more Hudson bombers and Lightning P-38 interceptor pursuits. Lockheed Aircraft Corporation, Burbank, Calif.

for protection today, and progress tomorrow, look to

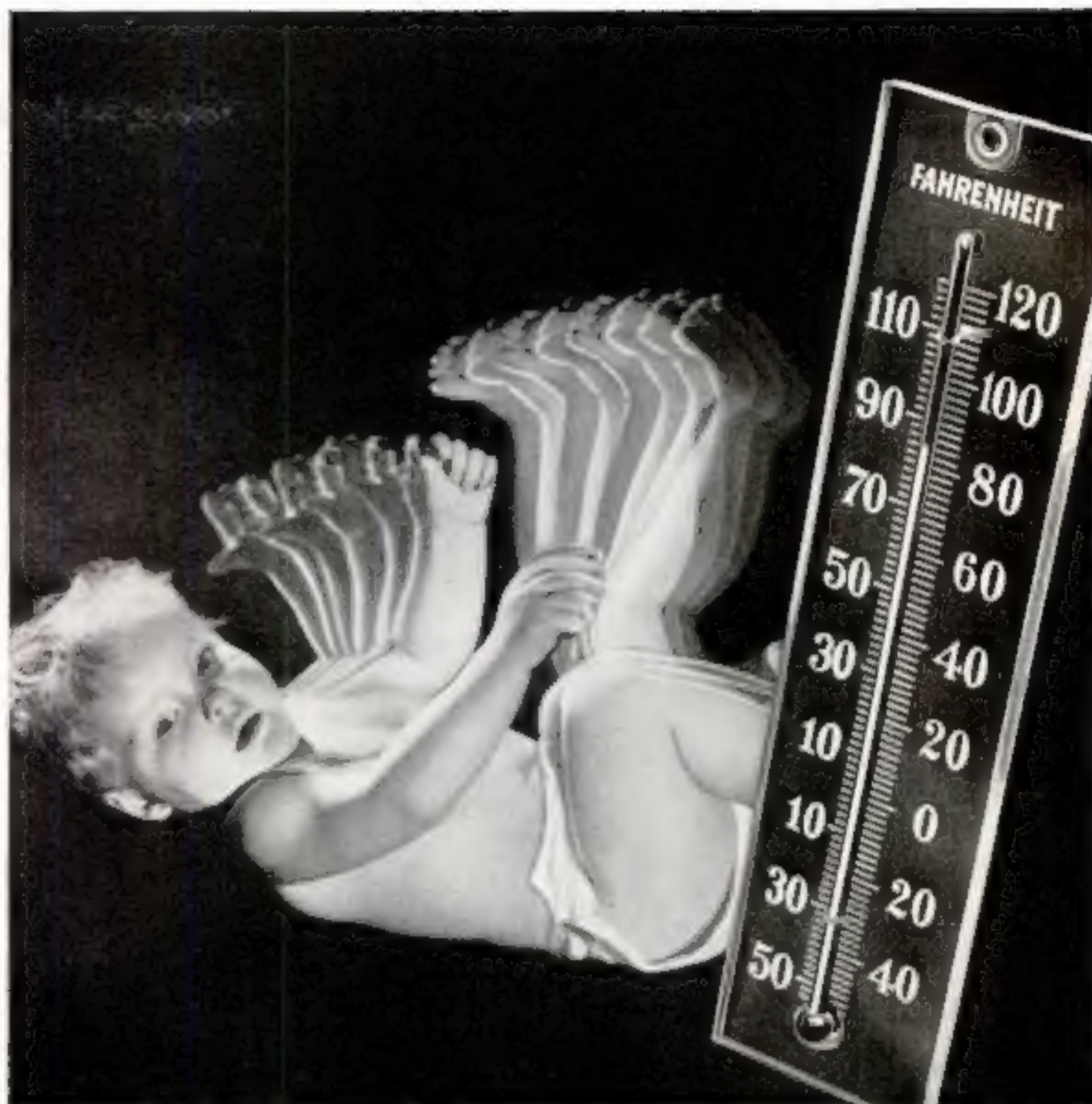
Lockheed

FOR LEADERSHIP





Examining baby under giant microscope (if that were possible) would reveal on the skin ever-present germs which may start infection when skin becomes irritated or broken (proof that baby's skin needs constant *antiseptic* protection).



In summer heat, baby's motions (shown by speed camera) more quickly chafe the skin. Germs find more portals of entry; skin-infections (including "prickly heat") increase. To protect better against these dangers, Mennen Powder is "hammerized" to new smoothness.

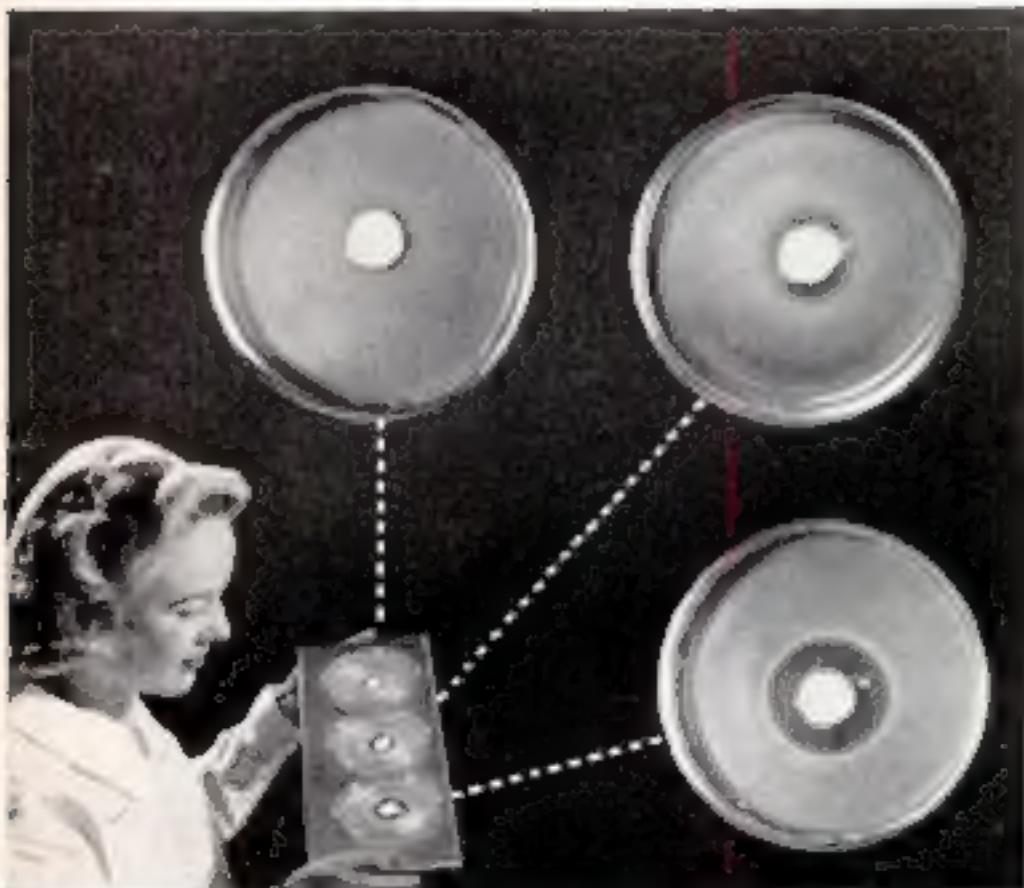
SCIENCE TRANSFORMS BABY POWDER FROM COSMETIC TO HEALTH AID



When thousands of Doctors were questioned, 3 out of 4 said they preferred baby powder to be antiseptic.

NO LONGER should baby powder be bought as a cosmetic, merely to make babies smell nicer, feel more comfortable. A new Mennen powder does all that and, in addition, *helps keep baby's skin safer* in 2 ways: being antiseptic, this powder helps protect against harmful germs; being finer and smoother (due to new "hammerizing" process), it provides better anti-frictional surface, thus helping to prevent "breaks" in skin which may admit germs. These advantages are

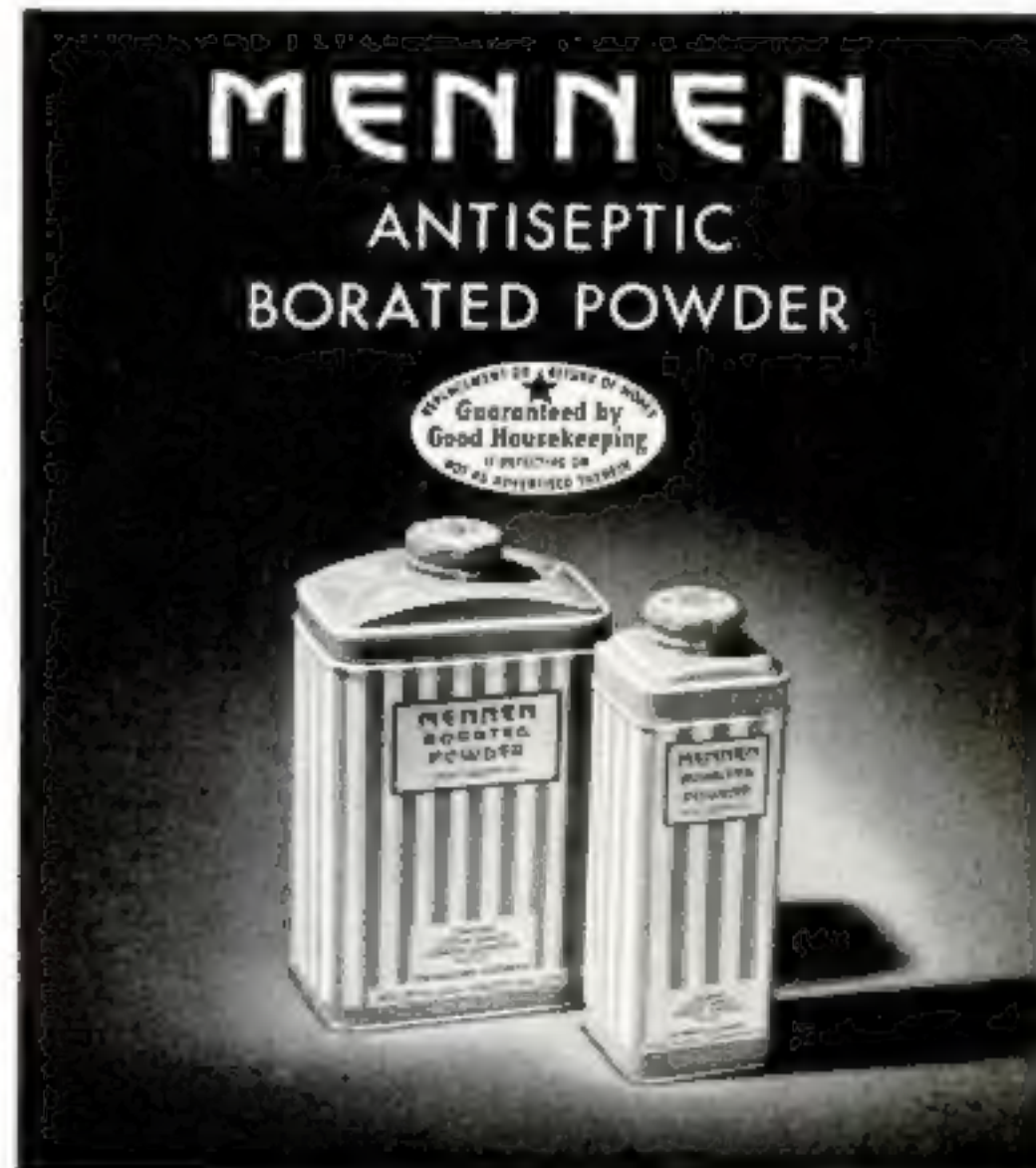
particularly important in warm weather, when excessive perspiration is more likely to lead to "prickly heat" (a germ infection), chafing, inter-trigo and diaper rash. For baby's greater safety, use Mennen antiseptic baby powder—in diapers as well as all over baby's body. The powder has also been improved with a new, delicate scent. Best for baby, it is likewise best for you. *Pharmaceutical Division, The Mennen Co., Newark, N. J., San Francisco, Toronto.*



U. S. Gov't. Agar Cup-Plate Method, used to test antiseptic value of 3 leading baby powders, shows definite antiseptic superiority of new Mennen Powder (above, lower right). Center of each round plate contains a different baby powder. In gray areas, germs are thriving; but in dark area around center of Mennen plate, germ growth has been *prevented*.



Millions of hammer blows are duplicated by "hammerizing" machines which pound Mennen Powder to amazing fineness. Photos above taken thru microscope compare leading baby powders; they show Mennen, *bottom circle*, is smoother, finer, more uniform in texture, thus protects baby's skin better against painful chafing and consequent infection.



This One



SK1Y-A9Z-J1SP

Copyrighted material

Why Dad changed to surprising new VIMMS



Up pepped neighbor John. "I heard you, you horizontal gardener! If my guess is any good—and it is—you need extra vitamins and minerals. Sure, you'll get some from your garden, if you ever get it finished. But three out of four of us don't get enough from our food, according to government authorities. Now me—I take Vimms."



"U. S. experts say not two, or three, but six vitamins are needed," he continued. "Count 'em—six! And three minerals belong with the vitamins. And that's exactly the Vimms line-up. All three essential vitamins of the B Complex. Three others we need just as much. And three minerals, too! Plenty of potency there, friend!"



"Look," said druggist Brown, "here's the whole Vimms story in one easy eye-ful. Vimms are little tablets. And taste so good kids think they're candy. Vimms have what it takes—and what you ought to take! No product of this type and potency sells for so little!"

Compare ALL... and you'll buy Vimms

U. S. experts say these vitamins and minerals are needed:

A B B P P C D CALCIUM PHOSPHORUS IRON

Look! You get them ALL in Vimms:

A B B P P C D CALCIUM PHOSPHORUS IRON

Here's why you need them all:

If you leave out any of the above, you lose more than vitamins and minerals. You break up the team that makes them most effective. Get the product that gives you all of them together—Vimms!

See how incomplete many other products are:

Some give you only: **A B B D**

Some give you only: **B B P P**

Some give you only: **A D**

GET VITAMIN-WISE GET VIMMS



"It's great to feel fit!" says Dad. And so may you. Start Vimms today. Then keep up the good habit. Vimms' six vitamins and three minerals are needed just as much in summer as in winter. Maybe you've forgotten how good you can feel.

MORE FOR YOUR MONEY . . . only

Regular Size, 24 Tablets

Large Economy Size, 96 Tablets, \$1.75

50¢

AT YOUR DRUGGIST'S

Lever Brothers Co., Pharmaceutical Div., Cambridge, Mass.

LETTERS TO THE EDITORS

NEUTRAL SWEDEN

Sirs:

You published an article, Captain Pete Bombs Cologne (LIFE, June 15), in which, in order to illustrate from where Germany draws her war supplies, you printed a statistical map. This map and the little note beneath purported to show that "German war supplies, as indicated on this map, are drawn from sources scattered throughout Europe," and you gave the impression that the Swedish Bofors factories are manufacturing armaments for Germany.

As it is not the first time that such an incorrect implication has been published in the American press, I beg to state most emphatically that neither the Bofors plants nor any other Swedish armament factories produce any war material for export to Germany nor to any other belligerent country. As a neutral, Sweden has strictly adhered to her long-established policy of not exporting arms or other implements of war to belligerents, the only exception being Finland, towards which country Sweden, because of close relationship caused by geographical affinity and a long history in common, adopted, during the Finnish-Russian winter war of 1939-40, a non-belligerent policy including assistance comparable to the American lend-lease help.

F. WENNERBERG
Counselor

Legation of Sweden
Washington, D. C.

FATHER'S DAY

Sirs:

You recently gave a certain amount of attention to the celebration of Mother's Day at various Army posts (LIFE, May 25). Though Father's Day (June 21) celebrates an equally important parent, less recognition is given it.



BOMBARDIER'S GREETING

Here at Albuquerque Air Base, however, Aviation Cadet Joseph E. McCord showed he had not forgotten his father, Lieutenant Colonel J. E. McCord, assistant adjutant at Randolph Field, and said it with bombs.

LIEUT. FRANK J. RILLING
Albuquerque, N. Mex.

TASK FORCE

Sirs:

In reference to your presentation of logistics in terms of a task force (LIFE, June 22), I beg to point out the omission of one vital element—the engineers. Though you showed some of the huge engineering problems in an invasion landing, you nowhere showed the men who solve them.

Every task force must have its attachment of engineers, varying in size depending upon the type of operation. Though you have not yet had a chance to see our engineers in action on a large scale in this war, you can learn from the German push into Belgium and Northern France in 1940 the necessity for engineers to overcome enemy obstacles to open the way for infantry and other troops.

W. F. HEAVEY
Colonel, C.E.

Camp Beauregard, La.

Sirs:

What in hell is a "task force"? Seven times in four paragraphs you use this meaningless, "soft" phrase—"task force."

It is a FIGHTING FORCE—an of-

(continued on p. 4)

GIANT VALUE

This famous quality brush has not gone up in price. At yesterday's low price, it is easily today's "Biggest Tooth Brush Value."

Pro-phy-lac-tic
NYLON TOOTH BRUSH

STILL
-Only 23¢

THE ONLY GENUINE
WINDBREAKER
REG. U.S. PAT. OFF.



SHOWER-PROOF \$8.95
GABARDINE

WINDBREAKER is America's
Most Famous Name In Jackets
A Masterpiece of Craftsmanship
LINED WITH BRYBRO
GUARANTEED RAYON

VARIOUS STYLES AND FABRICS FOR
MEN, BOYS AND JUVENILES
SOLD AT AMERICA'S LEADING STORES

JOHN RISSMAN & SON
CHICAGO

"Axis Nightmare!"



ON the industrial battlefield today, Philco is carrying on the fight in the field of electronics. The brains and ingenuity of its research engineers, which have contributed so much to the entertainment, comfort and convenience of America, are now devoted to the task of making America strong . . . and victorious.

The men and women of its electronic laboratories and assembly lines are now creating and producing highly specialized communication devices and intricate radio equipment for tanks and airplanes. Its diversified manufacturing facilities are devoted to the production of industrial storage batteries, fuzes and shells.

This interpretation by Hugh Hutton of America's will to win is one of a series being drawn for Philco by America's leading editorial cartoonists. They are being posted before Philco's soldiers of industry as an expression of their spirit and a reminder of the glorious purpose of their work.

Victory worth while for a mankind that is free!

★ ★ ★

Free Limited Offer . . . While available, a full size reproduction of the original drawing by Hugh Hutton will be furnished gladly upon request. Simply address Philco Corporation, Philadelphia, Penna., and ask for Cartoon Number 9D.

PHILCO CORPORATION



America is conserving its resources for Victory. As you save on sugar, rubber, gasoline and all products of peace-time consumption, remember too to preserve the use of the things you own. Through its national service organizations, Philco offers, at reasonable and uniform charges, the means of prolonging the life of Philco products.

RADIOS, PHONOGRAPHS, REFRIGERATORS, AIR CONDITIONERS, RADIO TUBES ★ ★ INDUSTRIAL STORAGE BATTERIES FOR MOTIVE POWER, SIGNAL SYSTEMS, CONTROL AND AUXILIARY POWER

I'm No Fifth Columnist!

COLDS SLOW UP AMERICA'S WAR EFFORT, SO I USE KLEENEX FOR HANKIES TO HELP KEEP MY COLD FROM SPREADING TO UNCLE SAM'S WORKERS!

(from a letter by M. L., Kurten, Tex.)

P.S. THE COMMON COLD COSTS MILLIONS OF DOLLARS—MONEY NEEDED FOR VICTORY!



SAVE ON KLEENEX* SO KLEENEX CAN SAVE FOR YOU!

WHEN HALF-SIZE WILL DO, TEAR KLEENEX IN TWO, TEAR ACROSS FOLD! SAVING KLEENEX SAVES MATERIAL NECESSARY TO HELP WIN THE WAR!



KLEENEX "POP-UP-BOX" SAVES TISSUES—SAVES MONEY!

BECAUSE IT SERVES UP JUST ONE DOUBLE TISSUE AT A TIME!



WIN \$25

(MATURITY VALUE)

SAVINGS BOND

FOR EACH STATEMENT WE PUBLISH.

WRITE HOW THE

USE OF KLEENEX SAVES YOU

MONEY AND HELPS

WIN THE WAR.

ADDRESS: KLEENEX

119 N. MICHIGAN AVE., CHICAGO

Son with a Gun!..

I USE KLEENEX TO POLISH MY GUN—THEN FOR ECONOMY I USE THE SAME TISSUE TO PUT A SHINE ON MY BELT AND BOOTS!

(from a letter by R. S.W., 46th Bombardment Sq., Tucson, Ariz.)

P.S. SEND THE BOYS AT CAMP A BOX OF KLEENEX TODAY!

No Runs! No Terrors!

THE SILK STOCKING SHORTAGE DOESN'T BOTHER ME! AFTER LAUNDERING AND DRYING, I WRAP MY HOSE IN KLEENEX. IT HELPS PREVENT RUNS AND SNAGS. IS A REAL MONEY SAVER!

(from a letter by B. P., Hollywood, Calif.)

Gotta Trick Up My Sleeve!

FOR DRESS SHIELDS I USE SOFT, ABSORBENT KLEENEX TISSUES. THEY PREVENT PERSPIRATION STAINS... CUT CLEANING BILLS!

(from a letter by A. M., New Straitsville, Ohio)

(*Trade Mark Reg. U. S. Pat. Off.)

LETTERS TO THE EDITORS (continued)

fensive WAR FORCE, out to hang Hitler—murder Mussolini, hamstring Hirohito. These hard-hitting, red-blooded men sacrifice their positions, homes, businesses and offer their lives for what you, and many other publications, label and label a simple "task force."

M. B. GILMAN

Bismarck, N. Dak.

●"Task force" is the official designation for a combat unit organized for a specific mission and made up of the most efficient combination of arms and services for successful achievement of that mission. The term will acquire its own red-blooded significance before the war ends—ED.

SALVAGE

Sirs:

Your "salvage department" which turned out the story on tricks to make new clothes from old (LIFE, June 29) might consider the enclosed. My raw



TRIUMPH OF SALVAGE

materials were a pre-slapper sequin dress, two tulle wedding veils and an old satin evening gown.

THELMA SHAFFER WATTS

Port Jervis, N. Y.

HORSES

Sirs:

It was with complete surprise, shock and disgust that we of Calumet Farm, in fact, everyone we know in the racing industry, perused LIFE's two-page spread on the racing at Belmont Park and Garden State Park in your issue of June 22.

It would seem that LIFE should investigate the actual facts before climbing out to such an extent on its righteous limb. Out of the \$27,000,000 bet at Belmont, nearly \$2,000,000 went into taxes. The Garden State Park, started just before Pearl Harbor, was completely redesigned to eliminate strategic materials, with wooden instead of steel girders, etc. The promoters of the track got full approval from Washington before they went ahead with it.

England's racing continues, betting thereon continues, and they have been at war for quite a bit longer than U. S. A.

MARGARET GLASS

Lexington, Ky.

Sirs:

No article appearing in recent times has incensed me more than your condemnation of horse racing in wartime.

Americans everywhere are 100% behind the war effort. They are working longer hours, paying more taxes, buying more bonds to insure victory for their country. Why, then, must you criticize their pleasure hours?

JOHN MURRAY

New York, N. Y.

(continued on p. 7)

Thanks to
ZIP
IT'S OFF
ONCE
IT'S OUT
EPILATOR

Odorless
Hair-free
limbs

Do Your Part.. Look Smart

This Defense Year, with bare legs, sheer hosiery, sleeveless dresses, shorter skirts and scanty bathing suits... be smart—be carefully groomed.

Removes Hair Completely

A simple application with odorless ZIP Epilator and hair-free, good-looking legs are yours. No caustics; no injurious chemicals. ZIP works swiftly and smoothly. Gets at the beneath-the-skin hair, keeping your legs free of superfluous hair longer.

Ideal for face, arms, legs and body.

At drug and cosmetic counters.

Treatment or free demonstration at my Salon.

Madame Berthe
SPECIALIST

608 FIFTH AVE. (at 49th St.) NEW YORK



86.8 Proof
70% Grain
Neutral Spirits

CONTINENTAL DISTILLING CORPORATION, PHILA., PA.

Keeping fit is America's duty!

Do your part by keeping well

★ Safeguard your general health by adopting simple, common-sense protective measures.

★ Guard your dental health by using the finest tooth-cleaning instrument ever made—

Dr. West's Miracle-Tuft Toothbrush

with exclusive "EXTON"



Miracle-Tuft owes its superior efficiency to certain exclusive features it alone offers: Its "Exton" brand bristling for greater cleansing power, longer life. Its sterile glass packaging for 100% germ-free delivery to you. Its assurance

of a full year of effective service.

Today's needs call for this finest of all tooth cleansing instruments for every member of your family. Get your Dr. West's Miracle-Tuft Toothbrush today at your favorite drug counter.



ONLY DR. WEST'S OFFERS THESE

Exclusive Features

THEY MEAN CLEANER,
BRIGHTER TEETH FOR YOU

EXCLUSIVE! "EXTON" brand bristling for longer life, more efficient tooth-cleaning.

EXCLUSIVE! Surgically sterile glass packaging—for 100% germ-free delivery into your hands.

EXCLUSIVE! The only toothbrush proved by millions and millions of sales to give a full year of effective service.

Copyright 1942 by West Products Company

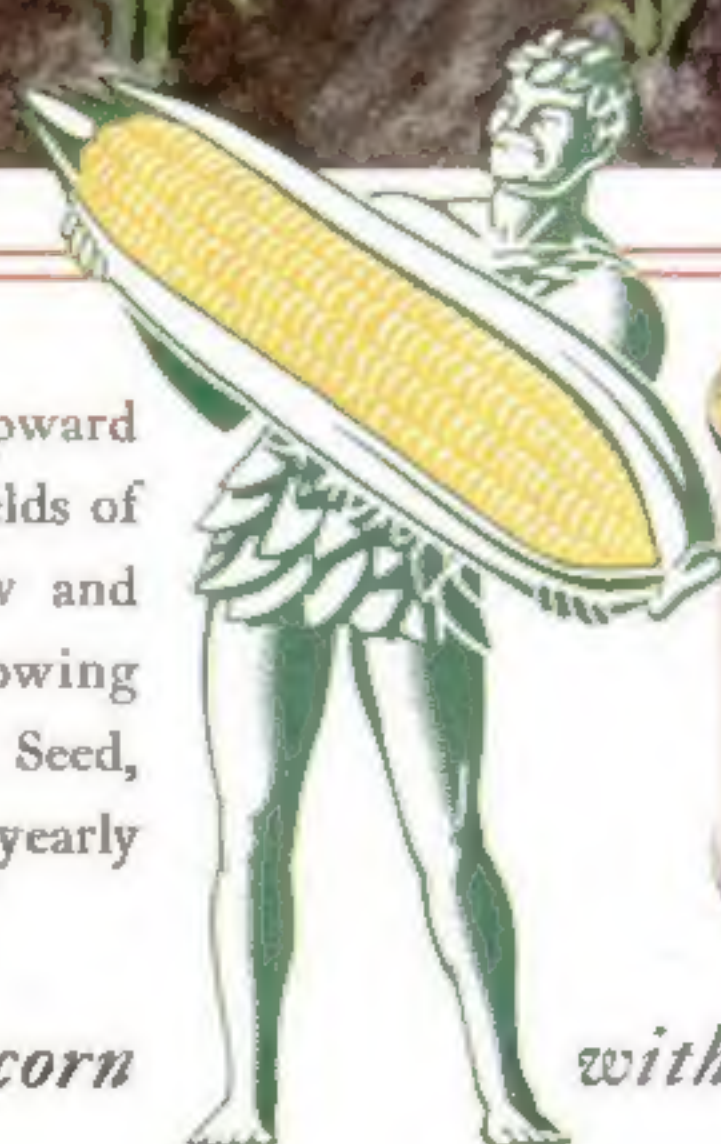
Looks like a good stand of corn
in the Land of the Green Giant



"Halfway to Harvest"—painted by ADOLF DEHN

Row on row these Soldiers in Green are pushing upward toward summer's blue heavens . . . On the rolling fields of Minnesota where Indians once roamed—and grew and ground their corn—we and our farmers are growing Niblets Brand Corn for you and your people . . . Seed, shoot, tassel, ear; picking, husking, packing—the yearly saga of this fine, tender, golden corn . . .

NIBLETS Brand whole kernel corn



Niblets Brand whole kernel corn is grown from an exclusive seed (D-138). It is grown in loamy soil with the care that a garden-loving person lavishes on his own small patch of corn. Our folks like to farm. Our corn is picked and packed when it's sweet, young and tender. . . . Packed only by Minnesota Valley Canning Co., headquarters, Le Sueur, Minn., and Fine Foods of Canada, Ltd., Tecumseh, Ontario. Also packers of Green Giant Brand Peas.

with the Green Giant on the label



TAKE Underwood Deviled Ham on your next picnic. It's just the thing for sandwiches. And how healthy, hearty, outdoor appetites do go for it!



MAKE a Sunday Night Salad by stuffing tomatoes with chopped celery, pimentos, tomato centers and Underwood Deviled Ham mixed with mayonnaise. You've got something there!



BAKE Deviled Ham stuffed peppers next time you want mouths to water. What a dish! Underwood is fine ham, seasoned with rare spices. It lends itself to mighty exciting menu combinations.



Write for the FREE "Fine Foods" booklet containing dozens of recipes you ought to have. Wm. Underwood Co., 435 Walnut Street, Watertown, Massachusetts.



A CANARY Charms
MARJORIE WOODWORTH
Featured in "THE MCGUERINS FROM BROOKLYN" A Hal Roach Picture.

And you, too, will thrill to the joy a Canary brings in these trying days. Buy a Canary and keep a song in your home! Be sure to feed your Canary FRENCH'S Bird Seed and Biscuit... the 4 to 1 favorite in Hollywood, and the largest-selling brand in the U.S.



OWN A CANARY—THE ONLY PET THAT SINGS

LETTERS TO THE EDITORS (continued)

Sirs:

When I read that article in LIFE about the Camden, N. J. race track, I nearly blew up. I had no idea that anyone could be so money-mad as to waste our precious resources on a race track.

F. T. MUDD

Los Angeles, Calif.

●LIFE singled out the bonanza race-track season as symptomatic of the dangerous national state of mind. In this context the New York World-Telegram quoted LIFE's story in a stern front-page editorial, "It's a Long War" (June 25). The editorial concluded: "This country needs to know that the war won't end this year. . . . To know this finally—to steel ourselves against the worst—to stop the psychological ups and downs—to dig in and quit our wasting, striking, politicking, profit grasping and griping; this is the basic training for victory on the home front."—ED.

HITLERS' EDUCATION

Sirs:

I read that article about how the Puths children came home from Nazi Germany (LIFE, June 22).

I think Hitler's education is not very good. I am 8 years old, and I am glad I don't have the same education.

BOBBY MIXON

Calhoun, S. C.

RAISE

Sirs:

With 50 bucks a month as our stipend, we privates can now afford some mild



RAISE PAYS FOR SHINE

luxuries. Here is a picture to show how we marked the occasion at Camp Robinson, Ark.

PVT. WILLIAM R. CRAIGHEAD
Camp Robinson, Ark.

PEACE

Sirs:

I have been directed by the Women's International League for Peace and Freedom to voice our protest against Robert Sherrod's "Kill Or Be Killed" (LIFE, June 1).

We are an organization which cannot endorse the war effort, but as such an organization we readily and wholeheartedly recognize the noble intentions of fellow Americans who sincerely believe this war to be a frightful necessity.

We have even believed that our men have gone out with a certain idealism to fight for freedom. But after hair-raising information as to Buzz Wagner's sinister prowess and foul attitudes, we are slapped with the fact that "we're developing other Buzz Wagners over here now," raising up more "Pretty Boy Floyds" and other "public enemies."

(continued on p. 8)



In Front — On the Home Front



Reliance Aywon Shirts are "A-1" with millions of men who get things done. These men *Rely on Reliance* as a matter of course, for the smartness, perfect fit that means real comfort, and long wear that's so important these days! Reliance also serves Uncle Sam with Reliance-made Parachutes, Mechanics' Suits, Jackets, Pants, Shirts, Underwear, also Sailors' White Jumpers and Trousers!

RELiance MANUFACTURING COMPANY
212 West Monroe Street, Chicago, Ill.
200 Fifth Avenue, New York, N. Y.

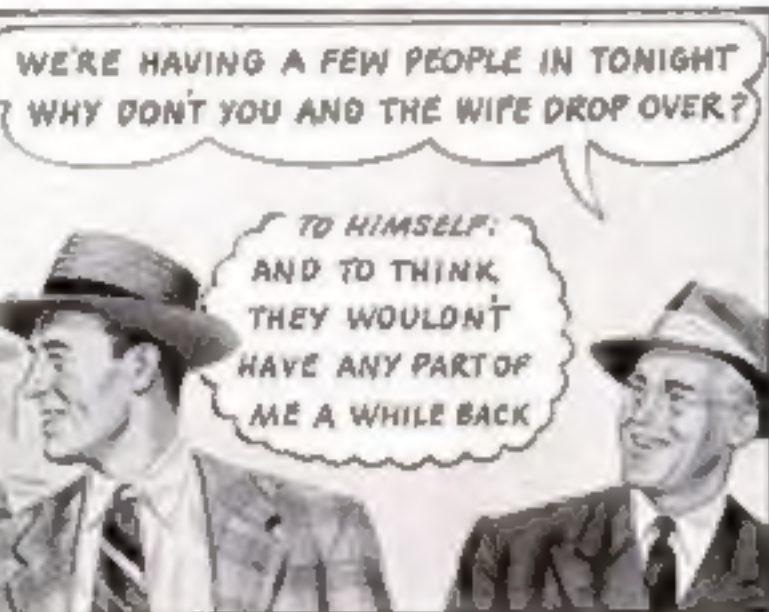
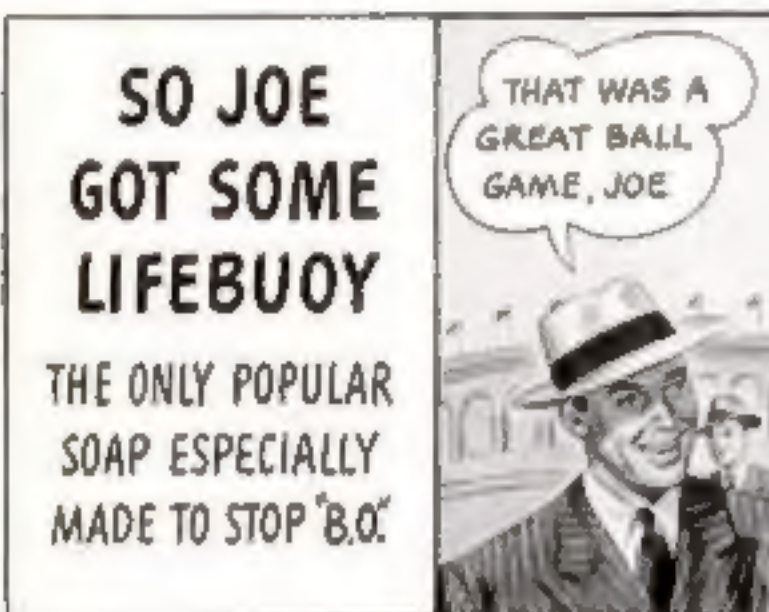
MAKERS OF Big Yank Work Shirts and Pants • Happy Home and Kay Whitney Frocks • Eusemada Slack Suits • Universal Pajamas • No-Tare Shorts • Hialeah and Penrod Summer Shirts.





SAY!

what do they mean "I'm no hot weather friend?"



USE IT DAILY

NEW 1942 LIFEBOUY

FROM HEAD TO TOE IT STOPS "B.O."



LIFEBOUY SHAVING CREAM HOLDS MOISTURE LIKE A CAMEL

• Lather once—that's all with gentle, "stay-moist" Lifebuoy. "Extra-moist" means "extra-easy," better shaves—120 to 150 of 'em in the big red tube. Save tubes to turn in when buying Lifebuoy Shaving Cream.

YOU'LL LIKE ITS MILD FRAGRANCE



LETTERS TO THE EDITORS (continued)

we must assume, to trouble our post-war world.

What will be the future of men whose training is contrary to the laws of organized society? What sort of men are we turning out to save our democracy?

MRS. RALPH NORMAN MOULD

Corresponding Secretary
Women's International League
for Peace and Freedom
Philadelphia, Pa.

MISTAKEN IDENTITIES

Sirs:

You carried pictures of 20 of the officers under General Doolittle in the Tokyo raid (LIFE, June 1). The officer in one of these pictures was identified



LIEUT. DEAN DAVENPORT

as Lieut. Dean Davenport. This was not a picture of Dean, who is my son and did fly with General Doolittle. I would very much appreciate a correction.

HUGH A. DAVENPORT

Portland, Ore.

Sirs:

Our son, Lieut. Richard E. Miller, was one of the bombardiers on the Tokyo raid of April 18. We are enclosing herewith a picture of him. The



LIEUT. R. E. MILLER

Lieut. R. E. Miller whose picture you published is not our son. We should very much appreciate correction of this error.

MRS. EDMUND H. MILLER

Fort Wayne, Ind.

• LIFE regrets these errors in identity of the Tokyo raiders. They occurred because of mistakes in captioning at the source. Correct pictures of Lieutenants Davenport and Miller are printed herewith.—ED.

Editorial correspondence should be addressed to:
THE EDITOR, LIFE
TIME & LIFE BUILDING
ROCKEFELLER CENTER
NEW YORK CITY

Betty Lou says:

DON'T LET A SOILED POWDER PUFF GIVE THE WRONG IMPRESSION!



Betty Lou puffs are **EXTRA SOFT**—yet they cost no more. Keep a fresh supply handy. Buy them in convenient, economical Multi-Packages. At better stores everywhere.



Sighted flea—killed same!



—REPORTS "OLD SARGE"

We've chalked up a record against fleas. We wipe 'em out, quick, with the SKIP-FLEA "One-Two" attack.

Use it on your dog, too. **ONE**—a SKIP-FLEA Soap bath regularly. **TWO**—SKIP-FLEA Powder between baths. Really kills fleas! Helps to keep down ticks, too.

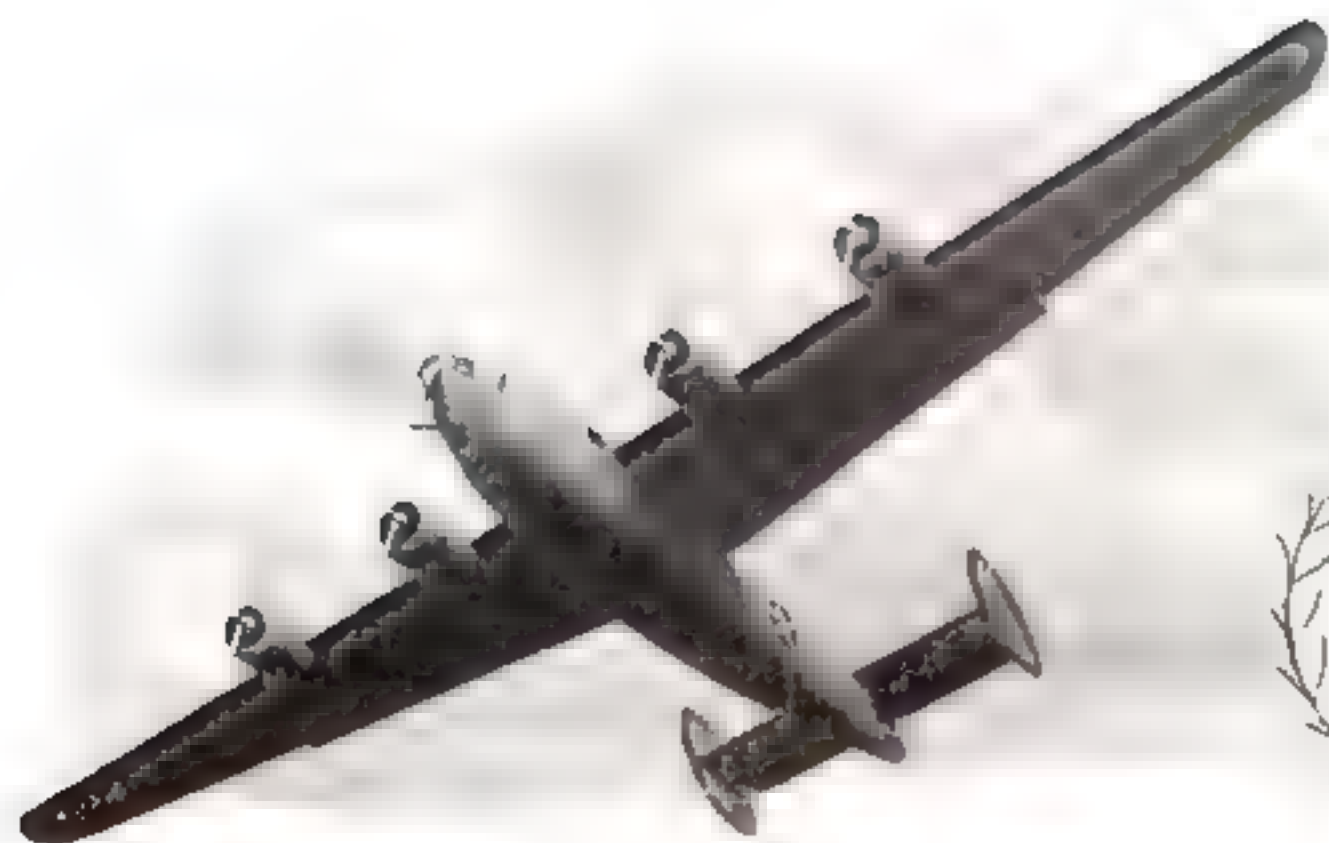
Get SKIP-FLEA Soap and Powder today at drug and pet stores (handy Sergeant's Flea Insurance Kit contains both at a bargain price). Get a free Sergeant's Dog Book, too.

FREE

SEERGEANT'S, Dept. 3-0, Richmond, Va.
Please send me a free, 40-page, illustrated Sergeant's Dog Book.

Name _____
Address _____
City _____ State _____





"Bet your boots they're good!"

If we told you, good people of America, something about how many Pratt & Whitney valve-in-head aircraft engines are rolling from Buick production lines to give spread to our airmen's wings.

Maybe now you want to know the other side of the story — maybe you're asking "How good are they?"

Here's an instance, straight from the record, stripped necessarily of specifics, but true in every detail.

THEY were giving Buick engines a special shakeout test in the air.

They buttoned them into a plane, loaded the gas tanks, sent a test pilot up some X-thousand feet — normal flight level for testing altitude performance of this particular engine type.

There was nothing to it. Those power plants turned out their r. p. m.'s so smoothly and ably and coolly that the pilot could find nothing but a flock of okehs to put down on his flight record.

So he thought he'd try some-

thing. He went up another 5,000 — just to see if he could get those purring honeys flustered or hot under the collar.

He couldn't. Another mile of height under the belt of those trojans didn't mean a thing. Still able, still smooth — still cool — they did their stuff like the aces they are — proving themselves a mile above expectations.

Well . . .

They brought those engines down. But they didn't route them into service in the usual way.

Seems that the airmen wanted to fine-tooth-comb them on their own, to see if they could find out *why* they were so unusually able.

We think we might have given them one reason.

An engine isn't *only* what the

blueprints make it out to be.

It's also what a lot of careful, uncompromising, proud-of-their-good-name workmen can put into it of themselves.

They had something swell to work on in the first place — and as Buick men they gave it the best they had.

They feel they and this engine are going places, just as all Americans — workers and fighters, front-liners and stay-at-homes — can and will go places together.

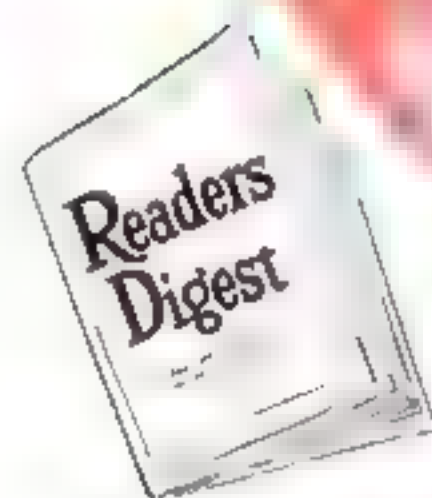
Maybe you'll remember this little story when anyone wonders out loud whether America's tools of victory are any good.

You can bet your boots they're good — they're the best there is. And the enemies of America are finding it out.

war goods
**WHEN BETTER AUTOMOBILES ARE BUILT
BUICK WILL BUILD THEM**

BUICK DIVISION OF GENERAL MOTORS

"DON'T YOU THINK
I AM A WOMAN
UNDER THIS UNIFORM?"



10,000,000 people read it
in Reader's Digest!



The most widely read novel
since "Gone With The Wind"!

Tynone **POWER** *Joan* **FONTAINE**
His Greatest Starring Role! *Another Academy Award Performance!*

"This Above All"

By ERIC KNIGHT • Produced by DARRYL F. ZANUCK

Directed by ANATOLE LITVAK

with Thomas Mitchell • Henry Stephenson • Nigel Bruce • Gladys
Cooper • Alexander Knox • Philip Merivale • Sara Allgood
Screen Play by R. C. Sheriff • A TWENTIETH CENTURY-FOX PICTURE

WATCH FOR THE OPENING OF THIS GREAT MOTION PICTURE IN YOUR CITY

LIFE'S REPORTS

THE PRESS MUST BE AMERICA'S WARTIME UNIVERSITY

U. S. Supreme Court Justice Douglas advises Oregon editors to make war on the nation's illusions and wishful thinking

On June 20 Associate Justice William O. Douglas of the U. S. Supreme Court addressed the Oregon Newspaper Publishers Association at Gearhart, Ore. In LIFE's opinion his definition of the part the press must play in the nation's war effort constitutes the clearest statement of the case to date. Because it believes that Justice Douglas' views will increase the understanding of its readers, LIFE prints this condensation of his speech.

What is the obligation of the press? How can the press, managed by patriotic and sincere men, best serve its country now? What is the place of the press in the war effort?

The press clearly has a fight on its hands. It must make war on our illusions and on our wishful thinking. The front on which it must fight is as vital as that on which the Air Corps, or the steel industry, or our farmers are mobilized. Our democracy cannot function effectively unless a free press helps the people to keep themselves mentally fit. Let us never forget that free, frank and bold discussion is the very life of this kind of government.

We as a people know no substitute for a free press. Certainly, Government cannot provide one. In the absence of a free and vigorous press advising the people in the execution of their sovereign power, we would face disintegration in time of peace and defeat in time of war. For the people cannot keep themselves mentally fit and alert in this unfamiliar, complicated, kaleidoscopically changing world without the aid and guidance of a free and masterfully competent press. And yet, the press is not free and effective simply by virtue of not being suppressed or bullied. It is free according to the spirit of our institutions only when it accepts the responsibility of its independence and, of its own volition, helps the people advance toward the realization of their aspirations. In the crisis we face today, we need the press—as Jefferson and Franklin needed the press when this country first fought for its life to prepare the people for the gigantic struggle ahead.

Hitler never had any doubt that we would arm and that we would fight. But, with his cynical contempt for the intelligence of the common man and the integrity of Democracy, he has been gambling against the ability of our millions of average families to understand our emergency, to respond to it with a singleness of purpose, and to cope with it realistically. When we have fought our way to victory, the Nazis will finally understand that the decisive secret weapon in our arsenal is the mind and the spirit of the average American, who wants the truth and who always wants to know how he can do his job better. This is the reason why the average American is counting on the ability of the press to keep him on the right course during these dark days.

What the people emphatically do not want from the press—and, what the press emphatically is not equipped to provide—is propaganda. The native shrewdness of the American people will always see through it. The people do not want to have losses "sugar-coated." All they want to know is what has to be done, and how to do it in the best and the quickest way. The realistic newspaper-reading public is fast acquiring a vivid sense of what it takes to hold the enemy to a stalemate in a major battle, much less to win one. It knows that even a major battle is far from being a war, that a skirmish is far from being a battle, that one hard punch is far from being a knock-out blow. The public does not want mental coddling.

The realities of American life in 1942 revolve around the fact that we have an Army of 4,000,000 men. Probably it will soon be increased by as many as another 4,000,000 men. No inside information or specialized knowledge is needed to understand what this means. There is not a home in America where this is not spontaneously understood. Our people know that this war is being fought for the next 1,000 years of history. Our people know also that it is being

CONTINUED ON NEXT PAGE



THE MAN who loved to sleep

NORMALLY, he would have been in bed hours ago. But here he is, keeping his lonely vigil as an air raid warden . . . doing his part to help safeguard the welfare of his community.

He is not alone in this. Millions of other Americans . . . in many other ways . . . have volunteered to serve the nation. Night after night, and day after day, these individuals are faithfully performing their self-imposed duties.

Among these volunteers who serve without fanfare are your druggist, your storekeeper and fountain man. Many of these individuals go to extra trouble and expense in providing extra health safeguards for you. They use Sealright sanitary paper containers for the ice cream, beverages, and other foods you take out.

This may seem like a small thing, but it indicates thoughtfulness, care, and a desire to serve. You may be sure that in those places where you find the Sealright emblem you will find faithful adherence to the highest standards of cleanliness.

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CONTAINERS
AND MILK BOTTLE HOODS



fought for the biggest stakes ever pledged by men—for the entire world and its wealth, as well as for the mind and soul of the individual. Our people know that every American—in and out of uniform—is part of this war. Each is groping anxiously for the most effective way he can find of doing his duty and carrying his share of the load.

You editors and publishers well know that if there ever is a Nazi and Jap triumph, those of you who escaped the firing squad (and from your record I dare say there would be few) would be surreptitiously publishing your pamphlets of freedom in the wilds of Oregon's woods or in the fastness of its mountains.

Everyone understands why we are building this Army and Navy. Our finest men are pouring into it, to serve for the duration. And yet, a highly patriotic and victory-minded fraction of our press has hardly yet faced the fact that we are in mortal danger. Our boys in uniform believe it—that's why they are there! Their families believe it—they know their boys must fight and they are proud to have them go. And the majority of the press feels the same way. But some well-intentioned publications are in the main describing an unreal war, in which it would appear that we have little left to do except prepare to receive the imminent surrender of the enemy.

The press will abdicate its most patriotic wartime function if it neglects to drive home to us the bitter facts of what our men have had to face, the facts of what our enemy has done that we have neglected to do. We are fighting this war to win. Nothing is more vital than our need to live with our past mistakes in order to correct them. That is one reason why we need the press. That is why so much of our war effort hinges upon the independence and vitality of the press. The press must be America's wartime university. Therefore, the press must realize that the people look to it not for cheer-leading, but for leadership.

Overoptimism, though moved by patriotism, can readily burden our war effort with a disservice. It can mistakenly label this preliminary struggle to stem the tide of aggression as the final phase in which our own tide of liberty will be running irresistibly high. By encouraging impractical and premature hopes, it can unconsciously and inadvertently minimize the long months of struggle and sacrifice that probably lie ahead.

Certainly, it is more pleasant to print good news than bad. Indeed, what could be more pleasant than to believe that danger no longer threatens us? Some may justify this unrealistic excess of optimism on the grounds that more sober talk would expose them to criticism. Indeed, our enemy would like to have the press default on its obligation to the people. A vicious undercurrent of rumor has been circulated to the effect that some mysterious power in Washington will clamp down on the press unless it transforms itself into a carbon-copy edition of the enemy press. The press, of course, is too intelligent to be misled by such fantastic propaganda. The press understands the need for the censorship of military and naval facts, no one is more anxious than the press to keep valuable information from the enemy. But in the broad field left open to it by military censorship, the press knows that it is absolutely free to perform its constitutional function. It knows also that the Government will fight to the limit to defend its ability to carry out its national assignment. No amount of rumor will persuade the press to the contrary.

No more now than in peacetime is it the job of the press to accept statements uncritically and without regard to what has gone before or to what may be expected to follow. The press is as much an organ of leadership in its field as our General Staff is on the front lines.

Let the press, therefore, reassure itself. It will invite no criticism if it speaks realistically of the strength and ruthlessness of our enemy and the grim task we face. On the contrary, it will help instead of hinder our war effort if it drives home to the country the hard facts of the struggle ahead of us.

The wartime job of the press, therefore, as I see it, is not only to report victories, but to analyze them with an eye to battles still in the future. It is also to report defeats and to analyze them, courageously and constructively.

We are fighting a people's war and therefore we need a free, a vigilant and a well-informed press to help lead us. Now that the nation is mobilized, let us hope that the entire press will report the sober and grim facts of what we must fight and how we must fight. There is no room for hints that the fight is about over. Every man, woman and child in America will know when the fighting is at last behind us.

If, meanwhile, editors and publishers will continue their constructive role of reporting and analyzing grim realities, of hammering home hard facts, the people will cherish more dearly than ever before the great free press of America which helped to lead them with confidence through the sloughs of sacrifice and suffering to the hilltops of victory and freedom.



The Fisk Boy says: "It's time to stop wasting rubber"

It is time to ask ourselves whether we are doing everything we can to save the precious mileage left in our tires: Are we swapping rides as often as we might? Are we following all the rules of tire care? Do we budget every one of these tire-miles carefully? Why? Because your country needs your car—right where it is—**in**

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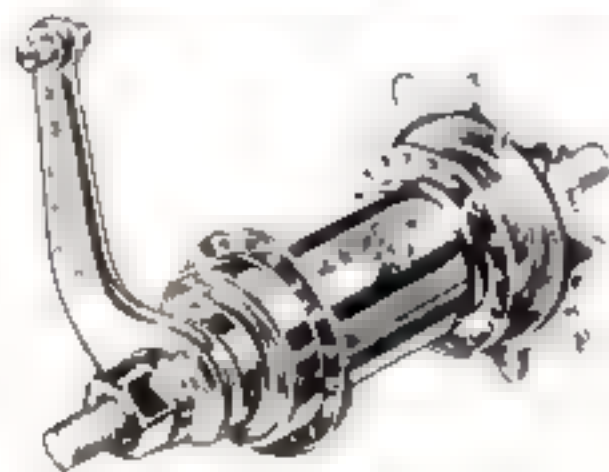


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SPEAKING OF PICTURES...

... BIBLE TRANSLATIONS KEEP UP WITH GLOBAL WAR

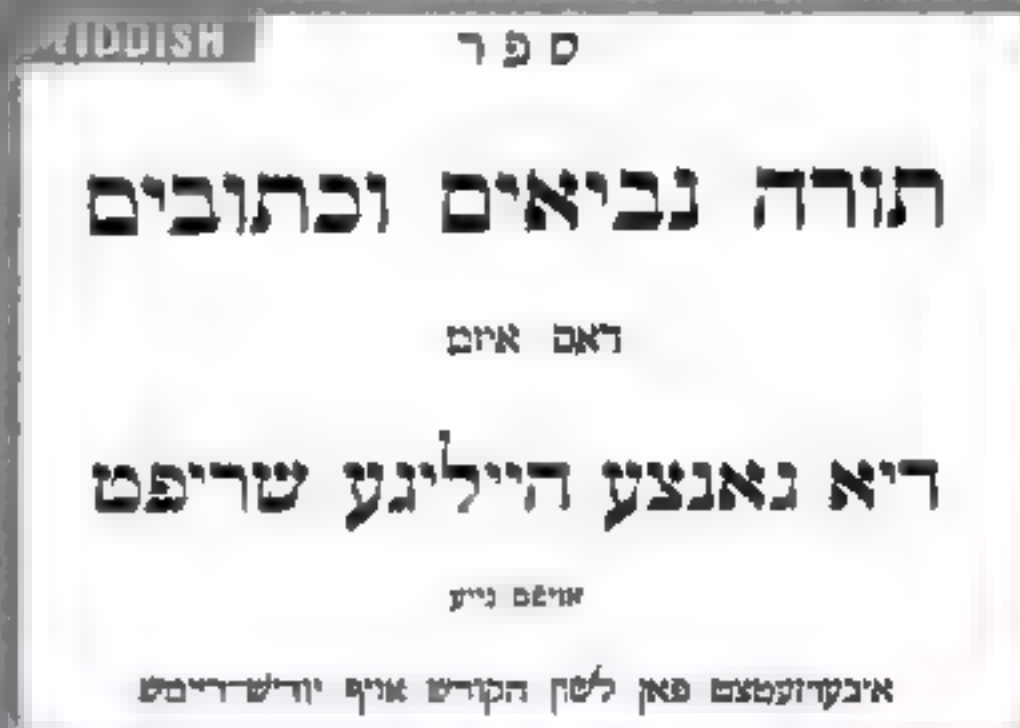
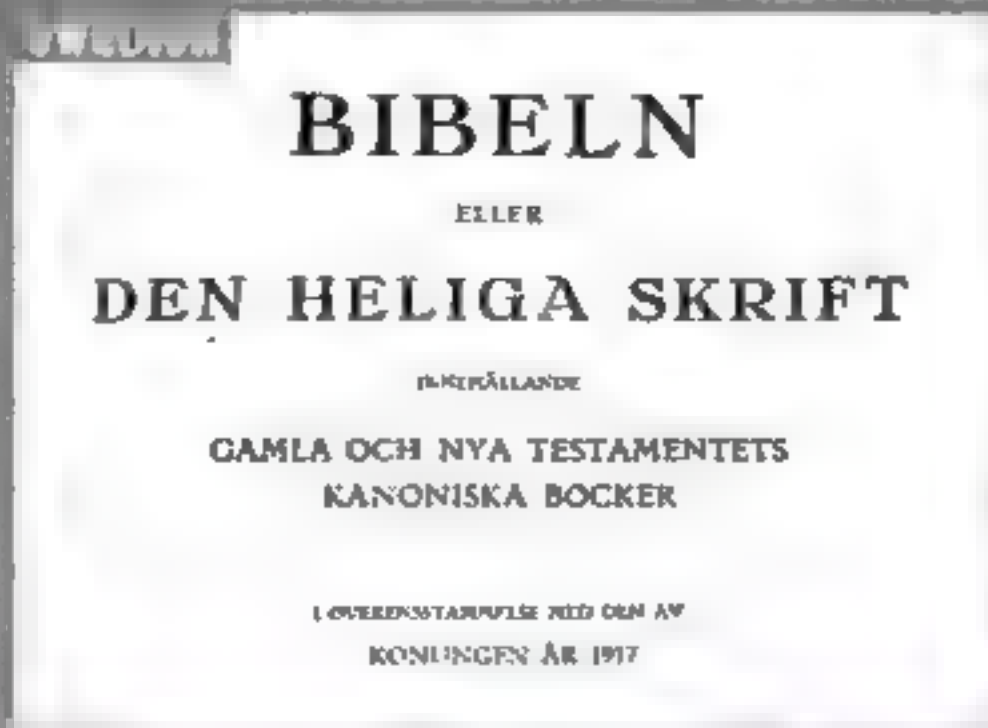
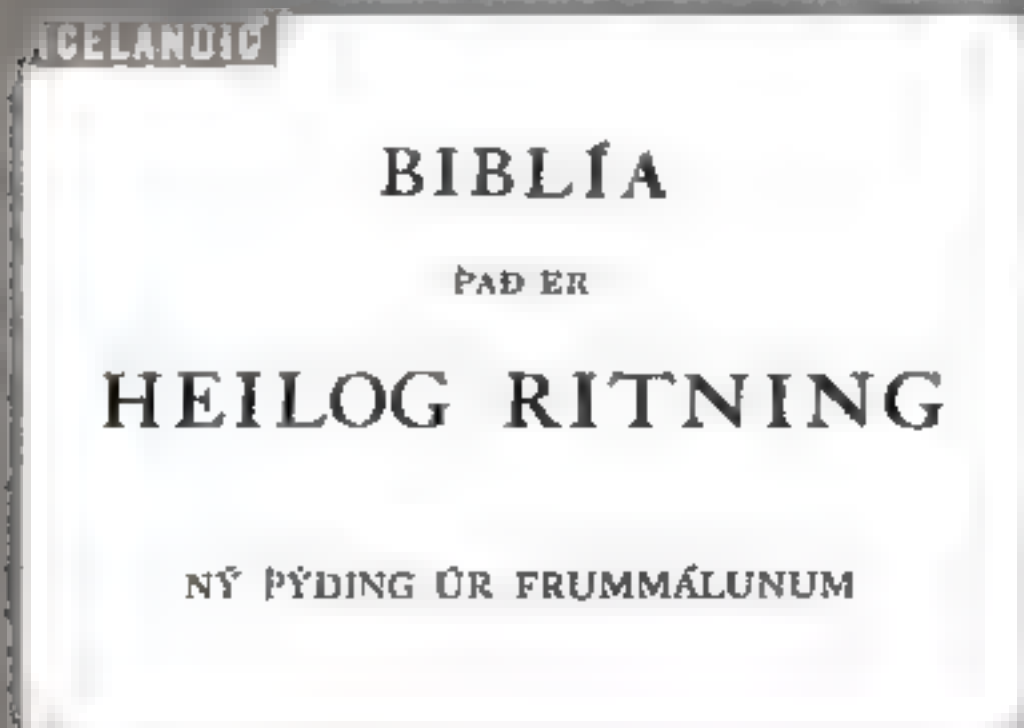
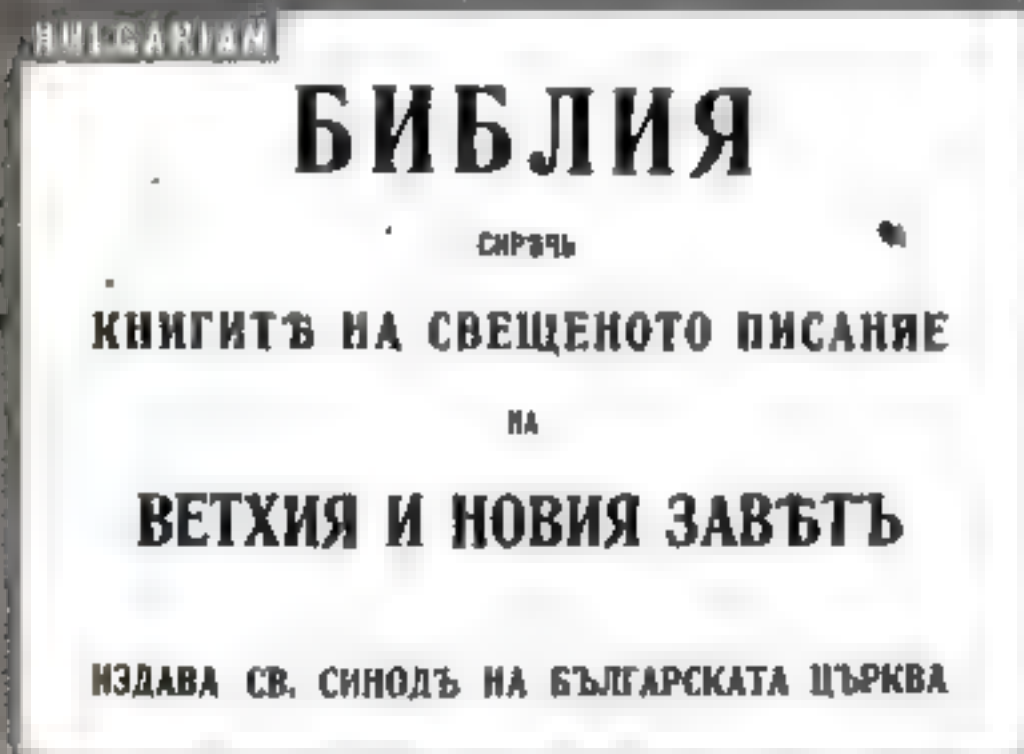
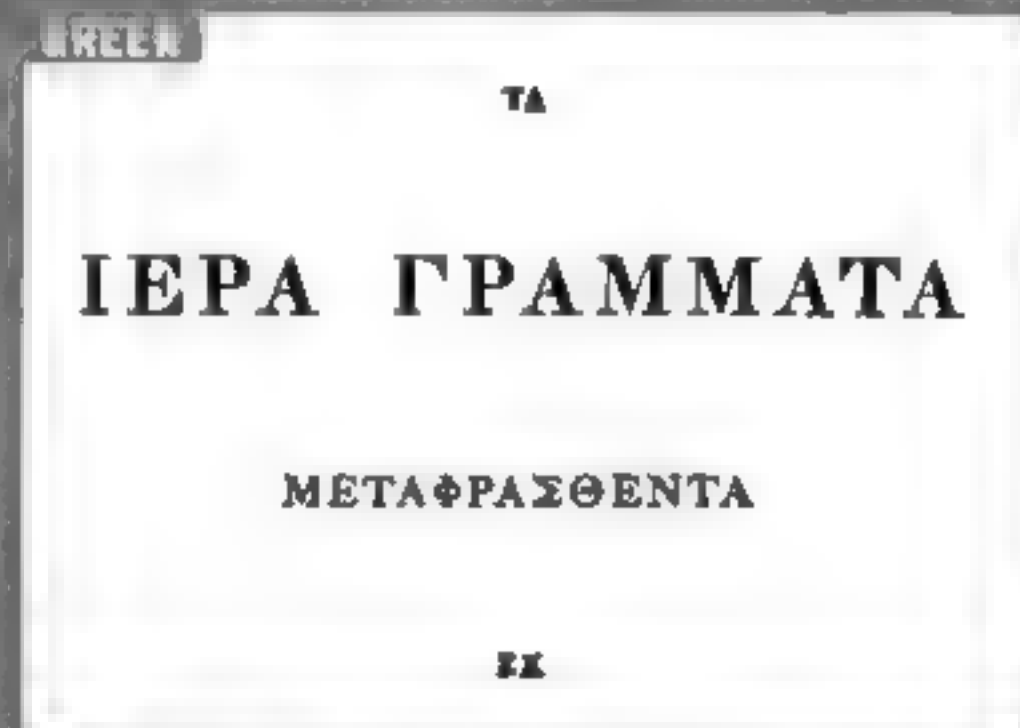
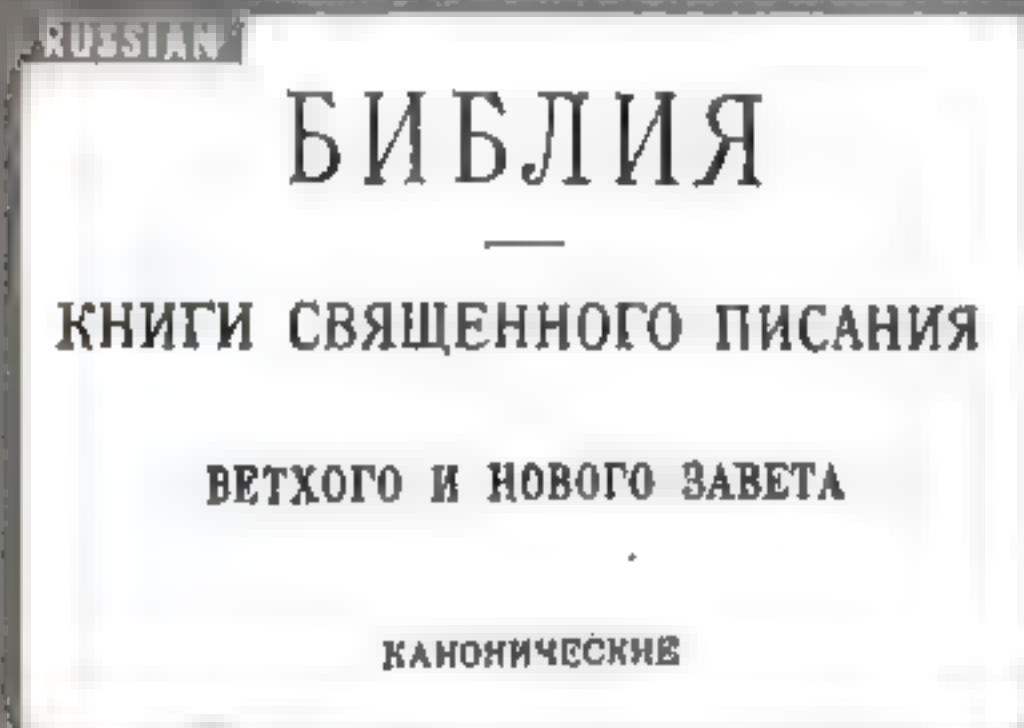
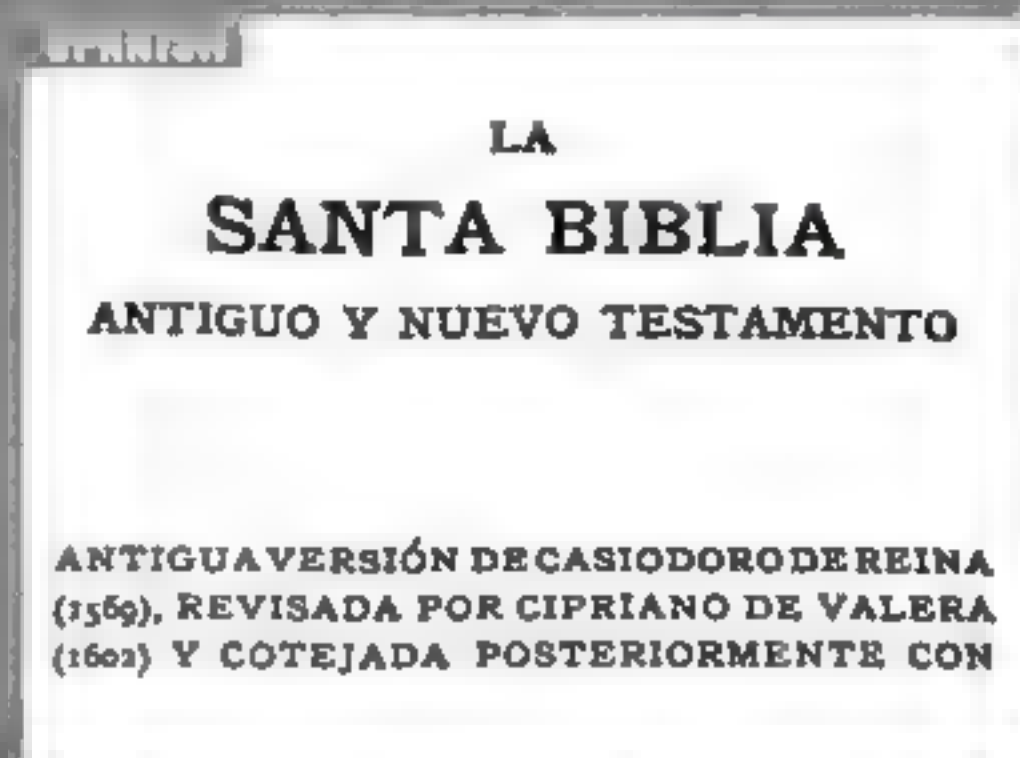
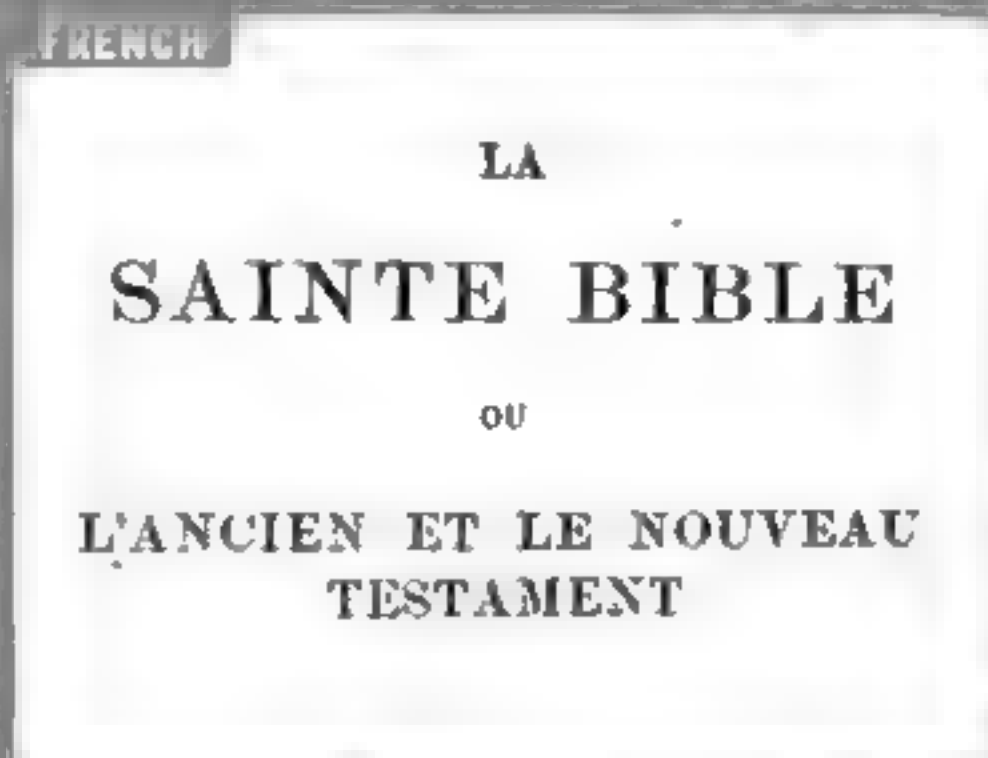
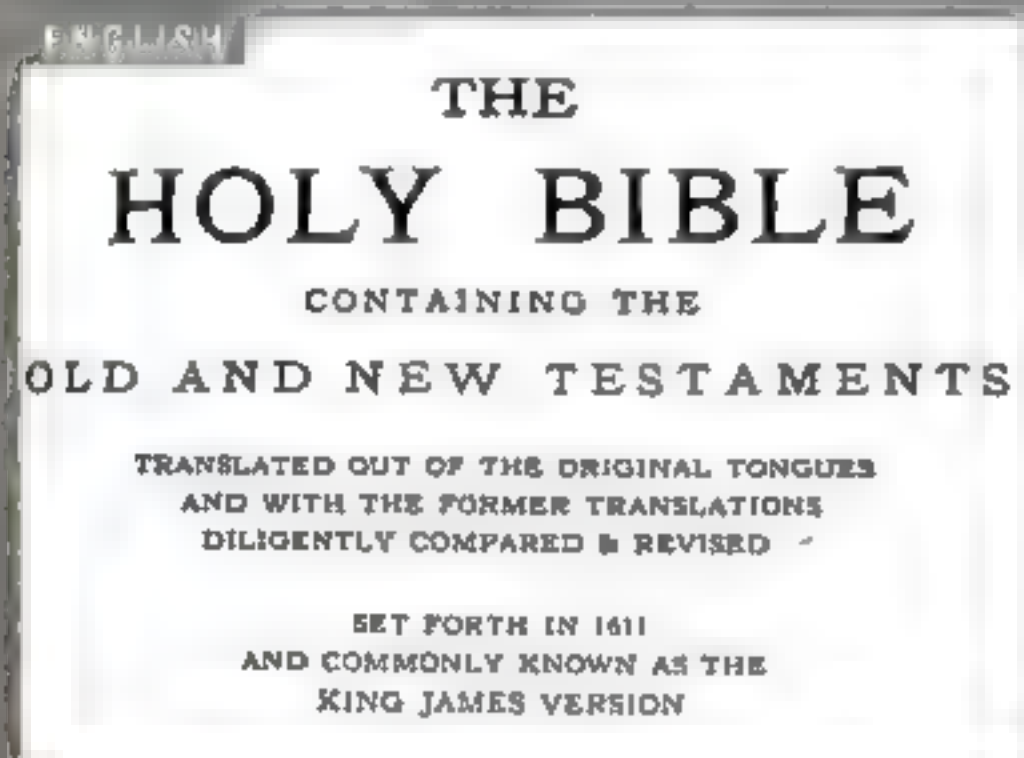
Here are title pages of the Bible in some of the 1,055 languages it speaks today. Recently called "the Book of a thousand tongues," it is the only publication in the world that comes anywhere near reaching in their own vernacular the Balche multitude of peoples now involved in global war.

The words of Christ and his apostles are printed in 296 languages of the 28 United Nations and their pos-

sessions. They are also available—though apparently not widely read—in 28 Axis tongues. And, ranging even beyond bombers and battleships, they penetrate into remote corners of the earth (Tibet, Damaraland, Mongolia, Amazonas, etc.) where they may well be more actual to the natives than echoes of a war between dictators and democracies.

This mammoth task of translation has been going

on for more than a century, is about halfway to its goal of complete world coverage. Most of the work is done by missionaries in the field who, for the more obscure dialects, often have to start by creating an alphabet. A translation may take 30 years to complete, is even then liable to contain strange aberrations, as in the Solomon Islands' version of Psalm 104 where "the wild asses quench their thirst" turned out as



"And then, the lieutenant kissed me!"



LAST TIME Bob (my lieutenant husband) was home on leave he caught up on plenty of sleep!

He slipped blissfully between the scrumptious new Cannon Percale Sheets I'd bought, slept like a log for twelve hours, woke up pleased as a baby—and read me a lecture on making extravagant purchases in wartime!

So I gave him his breakfast in bed and a few facts.

ONE: He ought to know I wouldn't have bought any sheets at all now unless I really needed them . . . and I did!

TWO: These heavenly Cannon Percale Sheets cost just about the same as heavy-duty muslin! Besides they have 25% more threads to the square inch than even the best-grade muslin!

THREE: Cannon Percale Sheets not only wear wonderfully well, but they'll save me as much as \$3.25 a year per bed at average pound laundry rates. That's because they're lighter.

So my lieutenant smiled as if he knew all along I wouldn't do anything dumb in times like these. And he swallowed his toast. And kissed me.

How I make my sheets last longer

On washday. I don't soak sheets overnight . . . unnecessary. . . 15 minutes before washing is plenty. I don't use a bleach if I can hang sheets in the sun to dry. When I do use a bleach, I put the bleach in the water and make sure it's mixed thoroughly before I put the sheets in. And I always rinse twice after bleaching.

I always hang sheets evenly. I never use pillow cases for laundry bags. I don't let my iron get too hot and I *never* press the folds of a sheet. That's harder on a sheet than actual wear!

I have enough sheets. Sheets need a rest, too. 6 for each bed is recommended. 2 on the bed, 2 in the laundry, and 2 on the shelf. I rotate my sheets, too. I put the newly laundered sheets on top of the pile and pull from the bottom for use.

I rely on a good name. I know I can trust the name Cannon. And in these days, it's more important than ever to rely on a good manufacturer's name for all the things you can't see for yourself. I am as proud to own Cannon Percale Sheets as I've always been to own famous Cannon Towels.

Your store has a real value in Cannon Muslin Sheets. High quality and fine appearance make these long-wearing sheets an excellent buy at a low, popular price. Cannon Mills, Inc., New York.

Cannon Percale Sheets



Made by the makers of
Cannon Towels and Hosiery

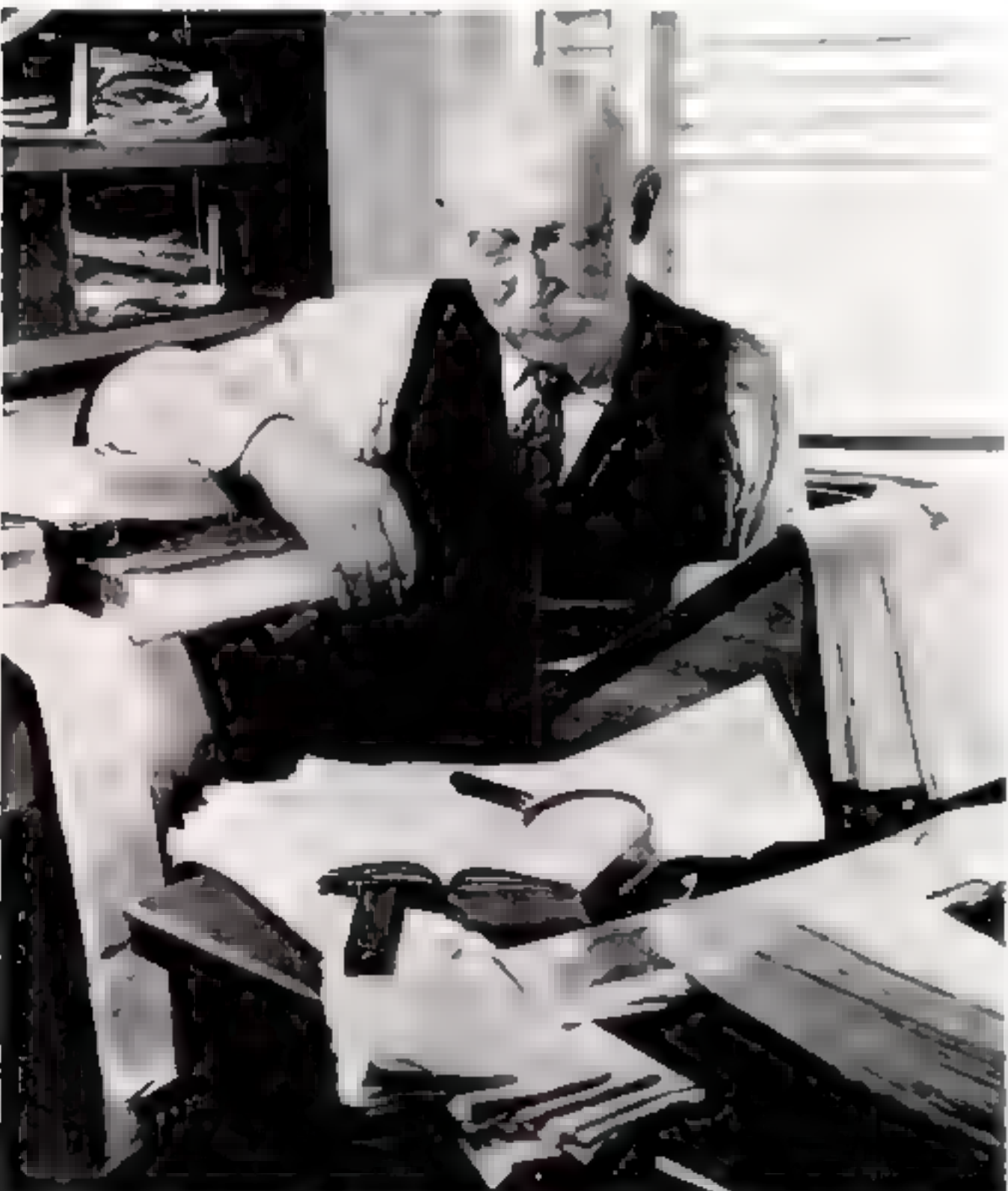
SPEAKING OF PICTURES

(continued)

A modern building on Park Avenue in New York City is the American Bible Society's main office. Here a staff of 60 edit and proofread translations, get out promotional material, administer the contributions upon which their work depends, arrange for publication and distribution, direct the activities of U. S. branches and foreign offices in Rio de Janeiro, Buenos Aires, Lima, Cairo, Beirut, Havana, Mexico City, Chungking and Cristobal. Offices in Tokyo, Manila and Shanghai have not been heard from lately.

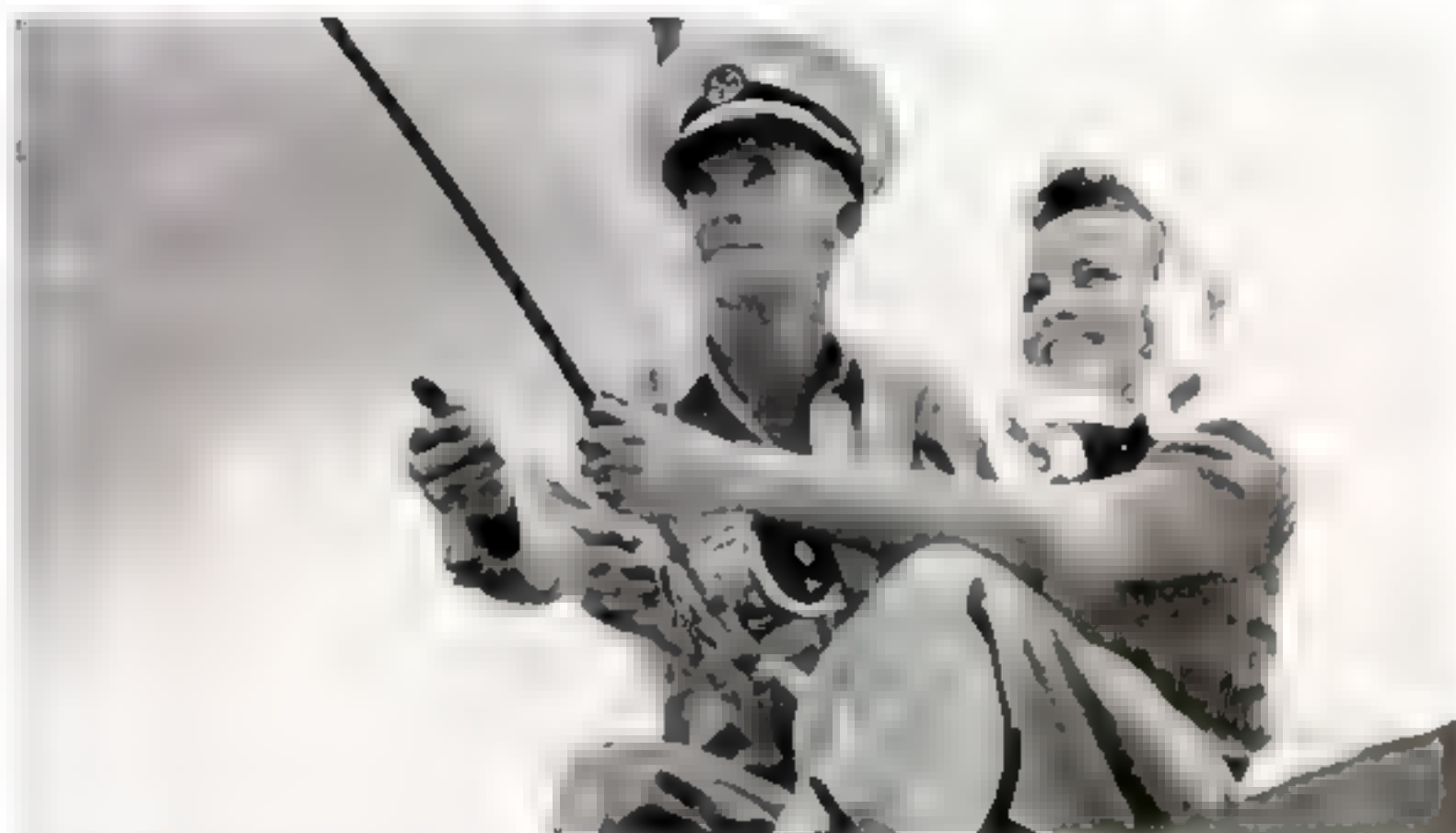


Dr. Eric M. North, Society's general secretary, devised this huge globe showing in tiny lighted bulbs all parts of the world where Bible is distributed in native tongues.



Proofreader Ernest Cocquelet is French, can read 92 languages, has been working on Bible translations for 27 years. Records and Braille editions are available for blind.

"SAILFISH ON THE CENTER LINE!"

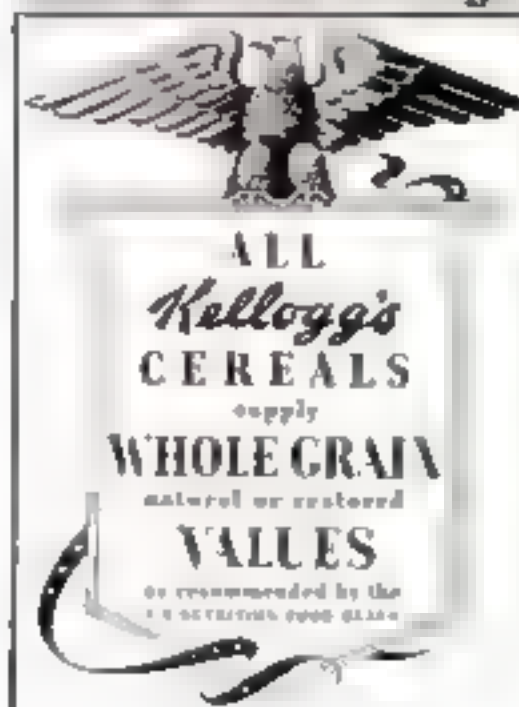


Captain Harold Andrews, Skipper of the *Riptide*, deep-sea fishing yacht, is now in the U. S. Navy. During peace-time, he stalks the Gulf Stream off the coast of Florida coaxing the big ones to rise to the baits skipping along the water off the stern. When a coveted "sail" or blue marlin strikes, Captain Andrews springs into action...manoeuvring the boat...shouting instructions...directing the crew until the prize is safely aboard, and another "catch" pennant goes up on the outrigger.



He's a "Self-Starter"

Keeping tackle and gear in first class condition kept Captain Andrews busy every minute ashore. He said: "I've got to be wide-awake all the time to get charter business for our boat. For my money, there's nothing to help start you off right like Kellogg's Corn Flakes with fruit and milk. Boy!—there's a dish! Economical, too, because they're selling at the lowest price in years."



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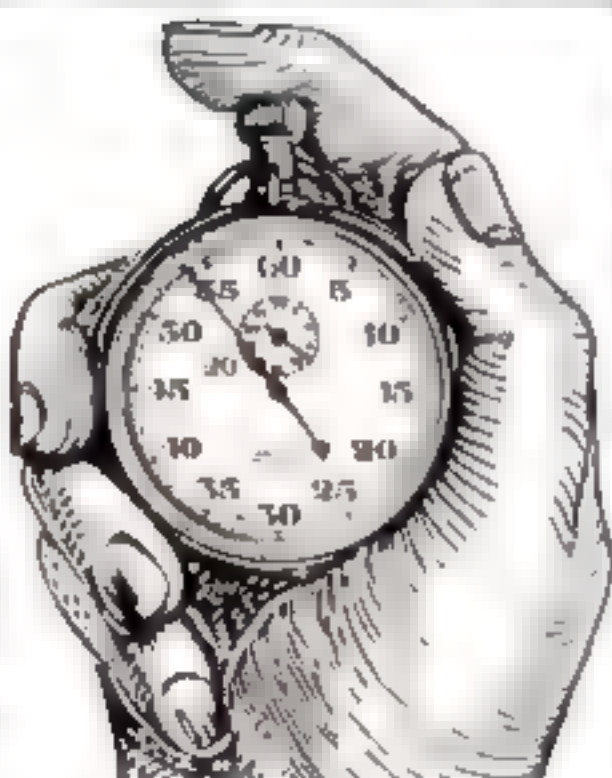


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LIFE'S COVER



Corporal Alexander Le Gerda, the man on LIFE's cover, is a member of the 853rd Ordnance Company, attached to the Gun-nery School at Las Vegas, Nev. His job is the maintenance of machine guns, such as the .30 cal. Browning he is holding here, and the issuing of ammunition to student aerial gunners. He plays softball on the post team, and the shirt he is wearing is part of his athletic equipment. Twenty-three years old, Alex was born in Topton, Pa. of Austro-Hungarian parents. He spent \$30 out of his last pay telephoning his girl in Allentown, where he visited last week.

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GENERAL MANAGER: C. D. Jackson
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Subscriptions and all correspondence regarding them should be addressed to: CIRCULATION OFFICE: 330 East 32nd Street, Chicago, Illinois
LIFE is published weekly by Time Inc.—Editorial and Advertising offices: TIME & LIFE, Bldg. Rockefeller Center, New York City—Alma T. Moore, Chairman; Roy E. Larsen, President; Charles L. Sullivan, Treasurer; David W. Bromberg, Secretary
SUBSCRIPTION RATES: One year, \$4.50 in the U. S. A., \$5.00 in Canada including delivery \$6.00 in Pan American Union, elsewhere \$7.00. Single copies in the U. S. A., 10¢, Canada, 12¢, U. S. Territories & Possessions, 15¢ elsewhere, 15¢
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Alfred Hitchcock, famed movie director, and LIFE's Eliot Elisofon stand by to shoot a scene for *Have You Heard?*, photo-dramatization of wartime rumors (see page 68)

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ABBREVIATIONS: BOT, BOTTOM; CEN, CENTER; EXC., EXCEPT; RT, RIGHT; T, TOP; A. P., ASSOCIATED PRESS; B. S., BLACK STAR; EUR., EUROPEAN; W. W., WIDE WORLD

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of Des Moines, Iowa

"TO MAKE IT EASIER FOR
YOU, I'M CHARLOTTE!"

"AND I'M
BEVERLY... BUT
OUR FRIENDS
USUALLY THINK
TWICE BEFORE
CALLING US
BY NAME."



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PEPSODENT POWDER makes teeth TWICE AS BRIGHT



"I guess the first time in our lives we were really different was when Beverly and I made the tooth powder test. Naturally, as twins, we not only look alike...we usually do everything alike. But in the test, I used Pepsodent. Beverly used another leading brand. From then on, there was a big difference between us."



"No test could have been fairer. But at first I thought maybe I just imagined my teeth were twice as bright. However, when a friend of mine asked me what made my teeth shine so, I was really convinced! Did I give him a selling on Pepsodent! The proof is so definite we'd never think of going back to any other brand!"

"We're a trio from now on!
A pair of twins and Pepsodent!"



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- ... because for years more people have purchased Chevrolets than any other make of car.
- ... because for years more people have purchased used cars from Chevrolet dealers than from any other dealer organization.
- ... because Chevrolet dealers specialize in giving skilled, dependable service on all makes of cars and trucks.

CHEVROLET MOTOR DIVISION, General Motors Corporation, DETROIT, MICHIGAN

Originator and Outstanding Leader "CAR CONSERVATION PLAN"



A WEATHER-BEATEN VETERAN OF OKLAHOMA POLITICS, FORMER GOVERNOR "ALFALFA BILL" MURRAY, RESTS UP FOR A SPEECH AT YUKON

OKLAHOMA POLITICS

Great issues are ignored
in corniest U. S. primary

Next Tuesday, July 14, the sovereign voters of Oklahoma will go to the polls and select candidates for one U. S. Senator, eight Representatives, and the wartime Governor of their State. Seventeen more States will hold primaries in July and August. In September there will be 15 more. Thoughtful observers have been saying and writing that these primary elections are among the most fateful in U. S. history. The United Nations have suffered defeat after military defeat. Vast issues of war and peace hang over the nation. But last week, and for many weeks before that, Oklahomans could go from one campaign rally to another without hearing a sensible word on any of these matters.

Candidates sawed on fiddles, sang into microphones, talked about free schoolbooks, old-age pensions, the "chug holes" in Oklahoma's roads. Senator Josh Lee, a coattail-

riding New Dealer who feels sure of renomination, stayed in Washington. His opponent, old Alfalfa Bill Murray (*above*), an author of the State Constitution, whose political career spans the whole history of Oklahoma's statehood since 1907, stumped the State roaring "Lee is a parrot. . . . There have been 600 to 1,000 snobbish British in Washington telling Congress what to do. They had a champagne party on lend-lease funds."

For several weeks the biggest debate of all raged over whether a Vinita farmer named Josh Lee and a Hokenville furniture dealer named Josh Lee could run with the Senator named Josh Lee in the Democratic primary (which is the only one that matters in Oklahoma). The State Election Board finally ruled that the "other Josh Lees" were "frivolous" and "fraudulent," and took them off the ballot.



OKLAHOMA HAS FABULOUS RICHES IN OIL, WHICH IS THE GREAT RESOURCE OF WORLD WAR II. IN 40 YEARS STATE YIELDED 6 BILLIONS IN OIL. ABOVE IS TULSA AND ITS REFINERIES

CANDIDATES FIDDLE AND SING WHILE WAR BRINGS BIG CHANGES TO OKLAHOMA

Oklahoma produces plenty of politicians with truck skins and lusty lungs (*below*). It also has produced a few who rank as minor statesmen on the U. S. scene. One such is Alfalfa B. R. Murray who, in spite of looking like a dusty old buffalo hide and talking like a Populist agitator, is really a scholar of sorts. Another is Oklahoma's current Governor LeRoy ("Big Red") Phillips (*right*) who has improved the State's government and finances in the last four years.

The three leading candidates to succeed Governor

Phillips, barred by the Constitution from succeeding himself, are pictured on this page. Smiling Bob Kerr (*left*) is a columnist and the first native son to get near the Governor's chair. (Most of Oklahoma was barred to white men until April 22, 1889.) He entertains his audiences with Negro mammy stories and cowboy music. Of the war he says, "Some day we will come out of the valley of the shadow of death and out on the mountain top." His opponent, Gomer Smith (*below center*), is a death attorney who calls himself "the

CANDIDATE BOB KERR SINGS "TAKE ME BACK TO TULSA..."



RESIDENTS OF WAGONER, OKLA., PONDER A POLITICAL SPEECH



CANDIDATE GOMER SMITH TALKS FROM THE BACK OF





WHEAT AND COTTON MEET IN OKLAHOMA, WHICH RAISES A LOT OF BOTH. DUST IS FARMER'S WORST FOE. U. S. STATION AT WOODWARD (ABOVE) IS WORKING ON EROSION PROBLEM

poor man's candidate," is stirring up the old-age pension vote "I don't know anything about the plans for national defense," he said recently, "and neither does any other candidate." Judge Frank Douglass *(below, right)*, composed his own campaign song, *Hooray Oklahoma!*, whose chorus is:

*Hooray, Oklahoma!
It's sagebrush and steel,
We'll do our part our nation,
'Cause we'll find the promised land.*

Actually the war is much closer to Oklahoma than its politicians seem to know. All over the flat prairie new war factories and military airfields are being built. Columns of Army vehicles thunder along highways where the 'Okies' traveled west. At Ponca City, which was an Indian camping ground not many years ago, R. A. F. fliers are training for the offensive on Berlin. And Oklahoma's oil and wheat fields *there* are a permanent reminder of the natural riches which the U. S. has and which our enemies have sworn to take away.



GOVERNOR PHILLIPS IS BELLIGERENT, TOUGH AND ABLE

A FEED TRUCK TO A SIDEWALK CROWD AT WAGONER



THIS FAMILY GROUP ATTENDED KERR RALLY AT SULPHUR, OKLA.



CANDIDATE DOUGLASS WROTE "HOORAY OKLAHOMA"





Farmer John Barnett and his family are "Okies" who stuck to their land near Woodward. They have 21 dairy cattle which

yield a scant seven gallons per milking. Mrs. Barnett takes care of a vegetable garden that is always blowing away. The chil-

dren, Delphine, 17 (top), Lincoln, 11 (middle), and Leonard 9, do plenty of chores. On Sundays the Barnetts eat jack rabbit.

FARMERS MAKE BIGGEST VOTING BLOC

The songs and antics of Oklahoma's primary candidates are aimed principally at Farmer John Barnett (*opposite page*) and his kind, who make up 45% of the State's population. John, typical of thousands of farmers who stayed on their wind-ravaged land during the 1930's, votes Democratic but he thinks most State politics are monkeyshines and candidates have to work hard to get him to attend rallies in nearby Woodward (pop. 5,400). Like most Oklahoma farmers, he is heavily in debt to the Government. What he wants most is some land that will grow grass in a State where physical geography seems to exaggerate the extremes of poverty and wealth (*see next page*).



Barnett's wife, Venus, hopes to raise some radishes, onions and beans in her vegetable garden. This is second planting. A windstorm in May blew the first seedlings away.



Daughter Delphaine, 17, wears brightly-colored slacks around the farm. She and her two brothers go to a rural school where there are only a few other pupils. Next fall Delphaine will enter high school.

SAGEBRUSH AND SAND SURROUND BARNETT HOUSE AND FARM BUILDINGS. THERE IS NO TOPSOIL LEFT ON BARNETT'S 160 ACRES. HE GROWS RYE AND FODDER IN SANDY LOAM



Oklahoma Politics



Publisher Richard Lloyd Jones of the *Tulsa Tribune* is a two-fisted "progressive" who says, "Oklahoma is like San Francisco in 1850. . . . But it is being refined, goddamit."



Publisher E. K. Gaylord (at desk, right) heads both Oklahoma City newspapers and radio station WKY. His *Daily Oklahoman*, the biggest newspaper in the State, built the "prairie fire" under labor last spring.

OILMEN AND PUBLISHERS ARE OKLAHOMA'S MOST INFLUENTIAL CITIZENS

Oilman Frank Phillips of "Phillips Pete" (Phillips Petroleum Co.) owns fabulous Woolaroc ranch near Bartlesville. This

The rich men who really run Oklahoma live in Oklahoma City, the center of the oil-well area, and Tulsa, where the big refineries are. Oil is a major part of Oklahoma politics. Most Oklahoma oilmen started life as poor boys and they believe in old-fashioned U. S. individualism. They despise the New Deal. Governor "Red" Phillips (a lawyer who has represented plenty of oil companies) called out State troops to halt completion of the Federal Grand River Dam project in 1940. Recently he went to Washington and declared that the

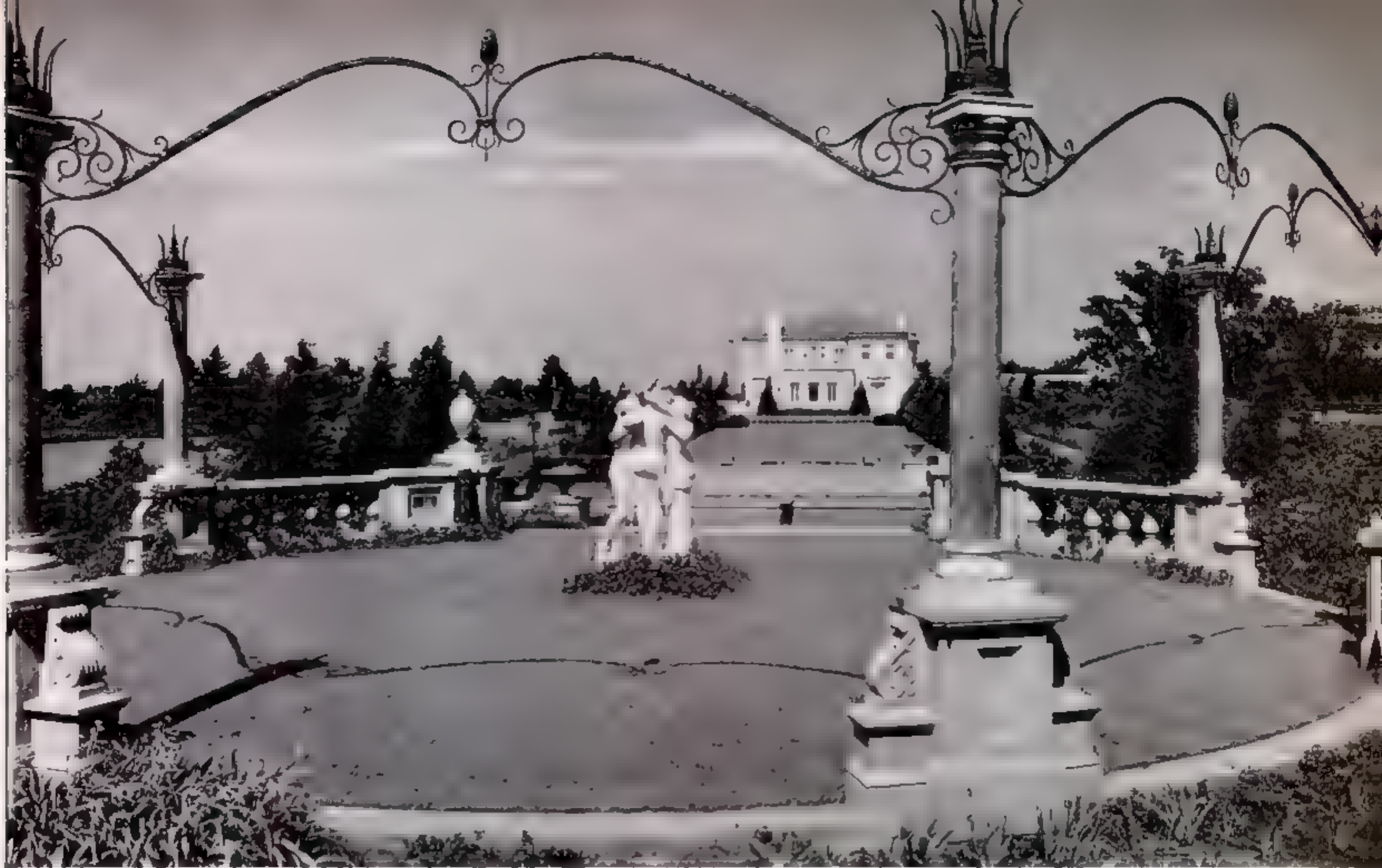
picture shows the living room of his lodge, which is two miles from the ranch gate. Peacocks, snakes, llamas, zebras and water

NYA and CCC were "poison" to Oklahoma's youth.

Out of oil-rich Oklahoma City this year came the "prairie fire" campaign against defense strikes and union rackets which swept Congress and almost wiped out New Deal labor laws. That fire was lighted and fanned into a national blaze by a newspaper, the *Daily Oklahoman*. Since there is not much organized labor in Oklahoma this was not an issue in the primary election. Neither was oil. Oklahomans know that no matter who wins in the primary, oil will still run their State.

buffalo roam wild on Woolaroc's 10,000 acres. When rare animals die, their skins are added to Woolaroc's ring collection.





Oilman Frank Buttram owns the biggest house in Oklahoma City's swank Nichols Hills development (above). The grounds

alone are worth \$1,000,000. Buttram was born in the Chickasaw Nation before it became part of Oklahoma, and is himself part

Indian. He majored in geology at University of Oklahoma, went out and found his own oil. Mrs. Buttram (below) is an artist.



LIFE ON THE NEWSFRONTS OF THE WORLD

A New Generation of Soldiers Is Ready to Face Death and Chance

Last week the U. S. passed a milestone. It registered for military service a new soldier generation, aged 18 to 20, every one of whom was born after World War I. For these boys the older war can have no personal meaning whatever. Château-Thierry and Belleau Wood, where their predecessors lie, are as remote from them as Bull Run and Gettysburg from most living Americans.

Of course there are many boys in the armed forces who do not remember the Kaiser's war. But those who are only slightly older than this class of '22-'24 got a big, vicarious dose of that war in school and college. During the twenties and thirties the country was a hotbed of recrimination—against munitions makers and "capitalist warmongers," against military preparedness and the fortifying of Guam, against undertaking any commitments for the peace of the world. The overwhelming majority of our fighting men were nurtured on isolation, pacifism and the doctrine that every American has a right to an easy and luxurious life. This has not hurt their fighting qualities, as recent battles show. But it does differentiate them from the present group, of whom a portion can be drafted at once. These younger men represent the first wave of a new generation that faces the future with a clean slate.

I'm Glad to Be Living Now

The attitude of this generation is pretty matter-of-fact. For most of them the war isn't glamorous, but neither is it anything you can escape. No fancy economic theories, youth movements or panaceas can get you out of it. All the breaks, if any, will have to come after it is over.

For instance, take Eugene Wilson III of Decatur, Ga.—just one of the 3,000,000. Eugene comes of an old Southern family but he is hard up. His big ambition is to finish his course at the University of Georgia, where last year he got A plus in two military courses and A in a third. "I didn't mind signing up," he said. "It sort of worried me at first, but then I thought that everybody's going to have to do this eventually so I went down and signed up. I figure I'll surely get in this war because I don't see how it can get over before five years. It's kinda bad that they didn't do more last time to put Germany down." Eugene thinks that we'll get along better with the Russians "when we get to know them better. And we'll get along all right with the Chinese."

Clarence Sherill Jr. of Charlotte, N. C., aged 19, is a freshman working his way through Atlanta Southern Dental College. Of the war, he said: "I don't worry about our

country when we take our shirts off and really start doing something. But the public isn't awake to the war yet. I think this is mainly because they haven't been told how tough it is. This war is a stinking, dirty mess. We've got to clean it up. We've got to educate other nations in the American way of democracy." And then he added, after a pause, "I'm glad to be living now. I'm not scared of the future."

Congress As Usual

If the United Nations lose this war—and like any other struggle, it can be lost—it will not be the fault of these boys or of those who have preceded them into the services. If the war is lost it will be lost behind their backs by us who remain at home—because we refuse to recognize "how tough it is."

Thus far, virtually everything we have attempted on the home front has been a failure. For instance, we have laid down a policy to avoid inflation. This policy requires the acceptance of sacrifice by various powerful groups, not one of which has ceased to push its own selfish interests. Because of the X-Card fiasco, which made Congressmen sore, and also because OPA refuses to give Congress any patronage, the Appropriations Committee has taken to bullying Leon Henderson and refuses to grant him enough funds to enforce his regulations. Last week the unpatriotic selfishness of the farm bloc was visible to all when Henderson had to lift the price ceiling on canned fruits 15%. This was owing to a rise in the prices of fresh fruits, caused in turn by special provisions won by the farm bloc in the Price Control Act.

Labor is playing the same game. Although the President called for the "stabilizing" of wages, a panel of the War Labor Board recently handed up a favorable report on the S.W.O.C.'s demand for a \$1-a-day blanket wage increase in Little Steel. Such a blanket raise, if granted, will spread to all steel mills and thence to other industries, pouring new income into every industrial city, creating more pressure for higher prices. It is no argument to say that the manufacturers can "afford" these wage increases. As a matter of fact all the steel is being bought by the people of the U. S. They will pay the increased wages and the higher prices.

Two Bottles of Shampoo

Much more serious is the failure of Americans to make personal sacrifices on which the outcome of the war must depend. So far every scrap campaign has been a failure, and the rubber drive, launched by the President himself, is the biggest flop of all. The first two weeks of the drive brought in only 218,000 tons—enough to give Hitler a laugh. California, Texas and the Pacific Northwest, all of them hopeful of staving off gas rationing, led the nation. The East lagged far behind. In Portland, Danny Sabalino, 17, a

bedridden paralytic, insisted on giving his air-foam rubber mattress. But the campaign was better typified in the bewildering experience of a young woman in San Francisco who contributed a rubber shampoo gadget. As she was returning home she stopped at a drugstore, where she found the identical rubber article offered free with two bottles of liquid shampoo soap.

Worst of all was the refusal of the country to follow the President's admonition to save tires. It is impossible to win the war without tires, and the present supply is irreplaceable. Yet in every corner of the land pleasure driving continued. In the East, where gas has been so short that long queues of cars wait for hours, customers bring pressure on their gas stations to give them more gas than their cards permit—and they get it. Almost nobody bothers to punch the cards any more. In Chicago, where the powerful *Tribune* has opposed everything from Guam to gas rationing, the citizens chose the first really hot Sunday to go on a gigantic driving spree. The Chicago Motor Club estimated that it was the heaviest Sunday since 1940 and the State highway police said that all the main arteries were taxed to capacity.

Listen to the Kids

Of course you can blame a lot of this on Washington, which has persisted in treating the American people like children. Washington will never tell an unvarnished truth if it can find any varnish to make it look nicer. The reason scrap campaigns fail is because people don't really believe they are necessary. And the reason for their disbelief is that Washington has been fighting a Hollywood war on a silver screen, rather than a real war face to face with Death and Chance.

In the dreamworld of the twenties and thirties, when America (whether employed or unemployed) was supposed to be an impregnable land of pleasure and security, Death and Chance did not exist. They had been conjured away by orators and politicians. And perhaps that is why the men and women over 40, who were educated in that world and who are now running the country, find it so inexpressibly difficult to face the real war. That goes for Washington. And it goes also for the average citizen.

But Eugene Wilson III and Clarence Sherill Jr., and all this new batch of kids who have just registered, never really got to live in the dreamworld. And so perhaps they can see this war better than the rest of us, and perhaps, instead of waiting for Washington to wake up, we should listen to those kids. Death and Chance are what they expect. They believe that on a dark night, on the water, in the air, amid the shell-torn foxholes, they will see Chance face to face and Death face to face. And they have this faith. They know that when Americans do that, everything is all right.

PICTURE OF THE WEEK

A week after the great British air raid of May 30 on Cologne, the picture on the opposite page was taken by a daring daylight reconnaissance. The famous Cathedral is at upper right, apparently

undamaged. The Rhine, which shone red that night, runs along the right edge. All across the picture, telltale honeycombs indicate buildings whose roofs were burned off. Such are the buildings along

the river, around the Hay Market Plaza (right center). With incredible tact, the British seem to have spared most churches, museums and hospitals that Germans screamed had been destroyed.



British photograph Cologne destruction

left by a thousand British planes and

a million incendiaries in May 30 raid



Wilhelmina Helena Pauline Maria of Orange-Nassau



Photographers pose the royal family on the terrace outside the rambling colonial house. From left to right sit Beatrix,

4; Crown Princess Juliana, Irene, 3, and Queen Wilhelmina. Juliana persuades her daughters to grin shyly for the cam-

eras. The children had not seen their grandmother for two years, before her arrival in Ottawa by plane three weeks ago.

WILHELMINA

Queen of the Netherlands spends
a country summer in Massachusetts

Wilhelmina, 61-year-old monarch of the Netherlands, arrived at Lee, Mass. last week to pass the holidays with her daughter, Crown Princess Juliana, and her two little granddaughters, Beatrix and Irene. Far from her Holland and her Empire, both now desolated by war and in the hands of the enemy, she settled herself in the 3-room Cape Cod guest cottage on a 12-acre summer estate leased by the royal family and the rolling Berkshires. Juliana and the plump, blonde princesses moved with several ladies-in-waiting, secreta-

ries and various aides into the large main house nearby.

Morning after her arrival, Wilhelmina drove to town with her maid and chauffeur to shop. At a furniture store she bought some linoleum to keep her granddaughters from splashing on the bathroom floor. Then to Frank Pease, Lee druggist who greeted her with "Good morning, Queen," she explained, "I am old-fashioned, everybody uses a wascloth but I like a sponge for my bath." Reported Druggist Pease later, "Lucky I had one. Nobody else buys them but old Charlie Hollister."

Juliana, who is less formal than her mother, wears a cotton dress and no stockings. Here Juliana is enjoying a private joke with curly-headed Irene, while Beatrix soberly surveys the photographers.



In this guest cottage lives the Queen, taking her meals with the others in the main house. A powerful, short-wave radio set has been installed in the cottage living room.



THE EIGHT NAZI SABOTEURS

In the rogues' gallery on these pages are the eight Nazi saboteurs who last month landed on the Atlantic Coast from German submarines. Last week the FBI announced their arrest—two captured as far west as Chicago. Their objectives were to wreck key war industries, disrupt communications, spread panic and death among the people. They brought with them equipment and enough money to carry on a two-year campaign of destruction. The FBI uncovered their materials buried in boxes on the beaches of Long Island and Florida where the spies landed. The boxes contained hundreds of pounds of TNT, special detonating cap bombs disguised as pens of coal, acids, incendiary pencils, and small explosive pens and pencils like those used by the Germans in the famous Black Tom sabotage of World War I. Samples of their deadly equipment are shown on these pages.

The eight Nazi terrorists were carefully picked, trained and prepared. They had all lived, worked and traveled widely in the U. S. They speak good idiomatic English. Craftily brought back to the Fatherland since 1939, they had been painstakingly trained as master saboteurs by the Nazi High Command. To forestall possible slip-ups, they had American-made civilian



BLOCKS OF EXPLOSIVES, FUSES, COAL-SHAPED BOMBS BURIED ON FLORIDA BEACH BY NAZIS



Ernest Peter Burger, 36, National Socialist in 1924, came from Germany to U. S. in 1927, worked as machinist, became citizen, rejoined Nazis in 1933.



Richard Quirin, alias Quin, 34, joined the U. S. in 1927 and became a U. S. citizen. This toolmaker returned to Germany in 1939.



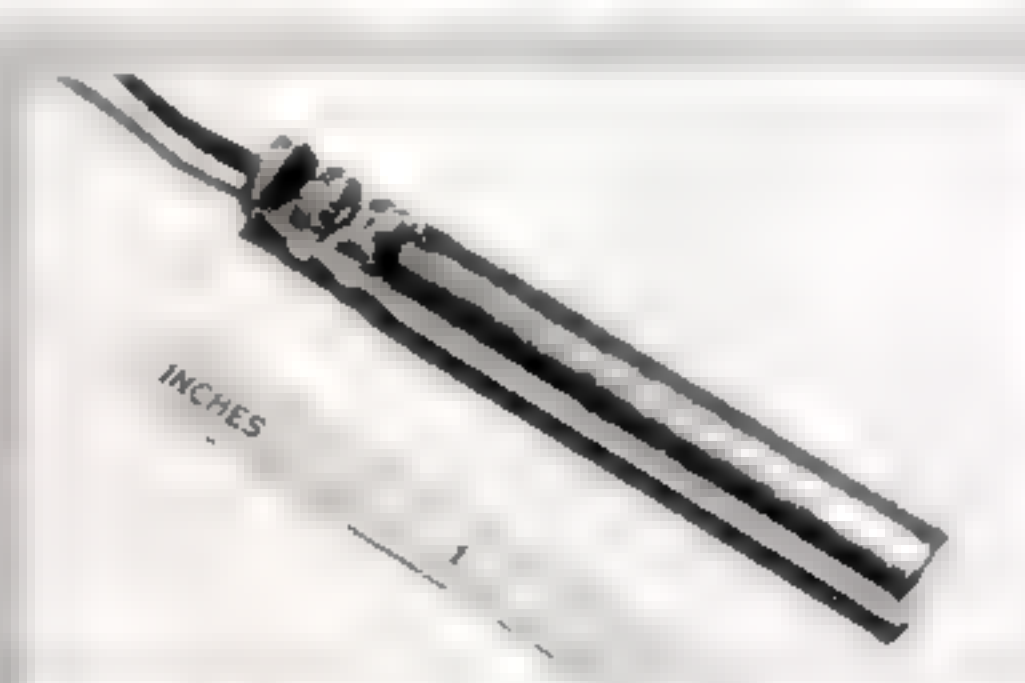
Werner Thiel, alias Walter Thomas, 35, came from Essen, Germany. He worked in two auto plants, came to Germany in 1939.



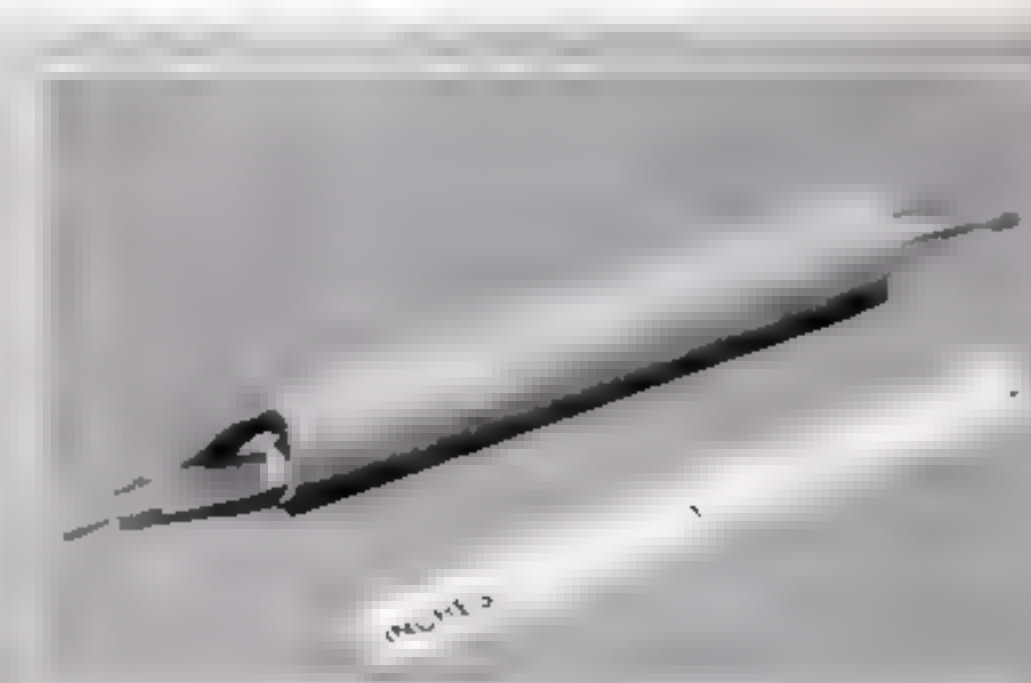
Edward John Kerling, alias Ed Kelly, 33, member of the Florida gang, came here in 1924, was an active Bur. hot, left in 1934.



Mechanical detonating device which can be used to set off a stick of dynamite or a block of TNT. This is a delicate precision instrument which can be set to detonate a bomb days after planting.



Electric blasting cap which is both a detonating mechanism and an explosive. It contains enough high explosive to blow a man's hand to bits if examined without first making it harmless.



Sulphuric acid is contained in a rubber tube inside this handy little capsule. Nazi saboteurs planned to use this vest-pocket device for setting off huge incendiary fires.

SHOULD BE PUT TO DEATH

clothes, forged Selective Service and Social Security cards and almost \$174,000 in U. S. currency. Their instructions included a specific list of major targets: railroads, bridges, aluminum and power plants, canals, department stores and the water-supply system of New York City.

Last week the Government rounded up hundreds of additional spy suspects in New York, Altoona, Pa., and the Canal Zone. On July 2 the President appointed a special military commission of seven generals to judge the Nazis at a secret trial. Precedent for such a military trial of civilians was set in 1865 when President Andrew Johnson appointed nine officers to try those who conspired to kill Abraham Lincoln. The special tribunal, headed by retired Major General Frank R. McCoy, will hear the Nazis prosecuted by Attorney General Biddle and Major General Myron C. Cramer, Judge Advocate of the Army. They will be defended by two Army colonels, Cassius M. Dowell and Kenneth Royall, designated for the task by the President.

Nothing less than the death penalty will satisfy patriotic Americans—among whom are members of the Raymond Henry American Legion Post of Olyphant, Pa. (right), who volunteered their services free as a firing squad.



FIRING SQUAD OF EIGHT OLYPHANT, PA. LEGIONNAIRES WHO VOLUNTEERED TO SHOOT SPIES

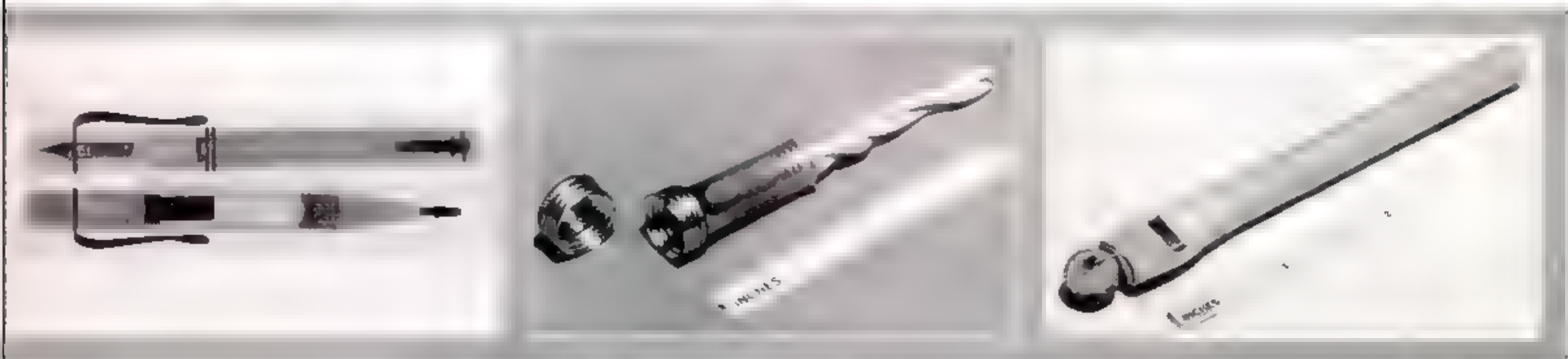


George John Dasch, alias Davis, 30, leader of the Long Island gang, entered U. S. in 1922, worked as a waiter, left last year.

Heinrich Harm Heinck, alias Henry Kaynor, 35, entered U. S. in 1936. This waiter was an active Bundist, went back to Germany in 1939.

Herbert Haupt, 22, educated in Chicago, where his parents still live, was an optical worker. He went to Japan, then to Germany last year.

Hermann Neubauer, alias Herman Nicholas, 32, former seaman, entered in 1931. He worked in hotels, married an American, went to Germany in 1940.



Fountain-pen and pencil bombs are clever incendiary gadgets which when operated give off an intense sheet of bluish-white flame that can ignite almost anything it touches.

Electric match concealed in small metal case. The match can be employed either with a detonating device for exploding TNT and dynamite or as a torch for the starting of incendiary fires.

Safety-fuse lighter which in turn ignites a standard safety fuse. No telltale flare can be seen when this small, innocent-looking instrument is used to set off dangerous charges of high explosive.



AIR PILOT RIDDELL FROM SCOTLAND SIGNS AUTOGRAPHS FOR STARS. IN FIRST ROW: PAY MORISON, ANN SOTHERN, DONNA REED. IN BACK: JOAN BENNETT, LORETTA YOUNG

HEROES IN HOLLYWOOD

They come and conquer stars

On June 28, 17 American and British war heroes who were being honored on a tour of 21 U. S. cities hit Hollywood. Starting in New York on June 8, the boys had been paraded triumphantly across the continent. But in its own way, Hollywood was the climax. For once, tables were turned. Movie stars who were used to being cheered by the public did the cheering themselves. At the sight of real heroes in a land of make-believe heroes, Hollywood went wholeheartedly wild with delight.

Upon arriving at Los Angeles airport, the heroes were escorted through the streets by a big parade—jeeps, gen-

erals, State militia, nurses and flights of stunting combat planes. Toward night 17 top movie actresses drew lots for one hero apiece as a dinner partner. At 8 o'clock each boy, with a famous star dressed at her dazzling best, dined at the Coconut Grove. There were a few speeches, some dancing, and as the evening drew on, a good deal of talking. The girls hung on every word from the boy who fought at Pearl Harbor, the British commando, the desert air fighter, the gunboat officer and the bomber pilot. When the boys moved on to Texas, all Hollywood suffered from a nappy hangover of hero worship.

CONTINUED ON PAGE 37

* "My Mommy Done Told Me, 'Son...

This is no time to waste Horsepower!"

Get the Most Miles from every gallon of Gasoline... Bring in your car today for this special Tune-up Service!

THE GOVERNMENT, the newspapers, your budget all say—*"Conserve your car—Conserve Gasoline!"*

When you do one, you do the other... for a car that's in good running order runs far more economically!

Stop today at your Mobilgas Dealer's, at the Sign of the Flying Red Horse. Let him tune up your car to Wartime Efficiency.

He's ready to...

- 1 Check your tire pressure weekly. Saves both rubber and gasoline.
- 2 Switch your tires every 5,000 miles. Evens tire wear. Makes the set last longer.
- 3 Change your oil every 1,000 miles. Refill with clean Mobiloil—world's largest-selling oil.

- 4 Check your battery every 2 weeks.
- 5 Mobilubricate your car every 1,000 miles—protect every chassis part from damaging, costly wear!

- 6 Adjust your carburetor for thrifty summer mileage... or recommend a competent man to do this important gas-saving job for you.

- 7 Condition your radiator water to guard against clogging rust and scale.

- 8 Protect your gears—with the right grade of Mobiloil Gear Oil.

- 9 Clean your spark plugs every 5,000 miles. Can increase gasoline mileage as much as 10%!

- 10 Clean air-filter every 2,000 miles—helps save gasoline. Change oil-filter every 8,000 miles—saves wear.

SOCONY-VACUUM OIL CO., Inc.
and Affiliates:
Magnolia Petroleum Co.,
General Petroleum Corp. of Calif.

*For Most Miles
per Gallon—*



GET MOBILGAS DEALER SERVICE



IT'S JULEP TIME!

...time for green and fragrant mint to combine with silver frost and amber-gold Four Roses... the glamorous combination that makes the most majestic Mint Julep you have ever tasted! That's because today's Four Roses is finer by far than any whiskey we have made or known in all our 77 years. Try it, won't you?

How to make a Four Roses Mint Julep:

Place some mint in a bowl; cover with sugar and a little water (or simple syrup). Crush the mint or simply stir, as you prefer. Place

mixture in bottom of tall glass or silver Julep cup. Fill glass with shaved ice. Pour in Four Roses till glass is brimming. Garnish with mint. Let stand till the frost forms thick!

Start Your Own Mint Bed—FREE

If you will write us before August 15, we'll send you with our compliments a young plant of real Kentucky Bluegrass Spring Mint to start your Four Roses Mint Bed. Address: Frankfort Distilleries, Inc., 517 Columbia Bldg., Louisville, Kentucky.

YOU'VE NEVER TASTED SUCH WHISKEY AS TODAY'S *FOUR ROSES!*

Four Roses is a blend of straight whiskies 90 proof. The straight whiskies in Four Roses are 5 years or more old.



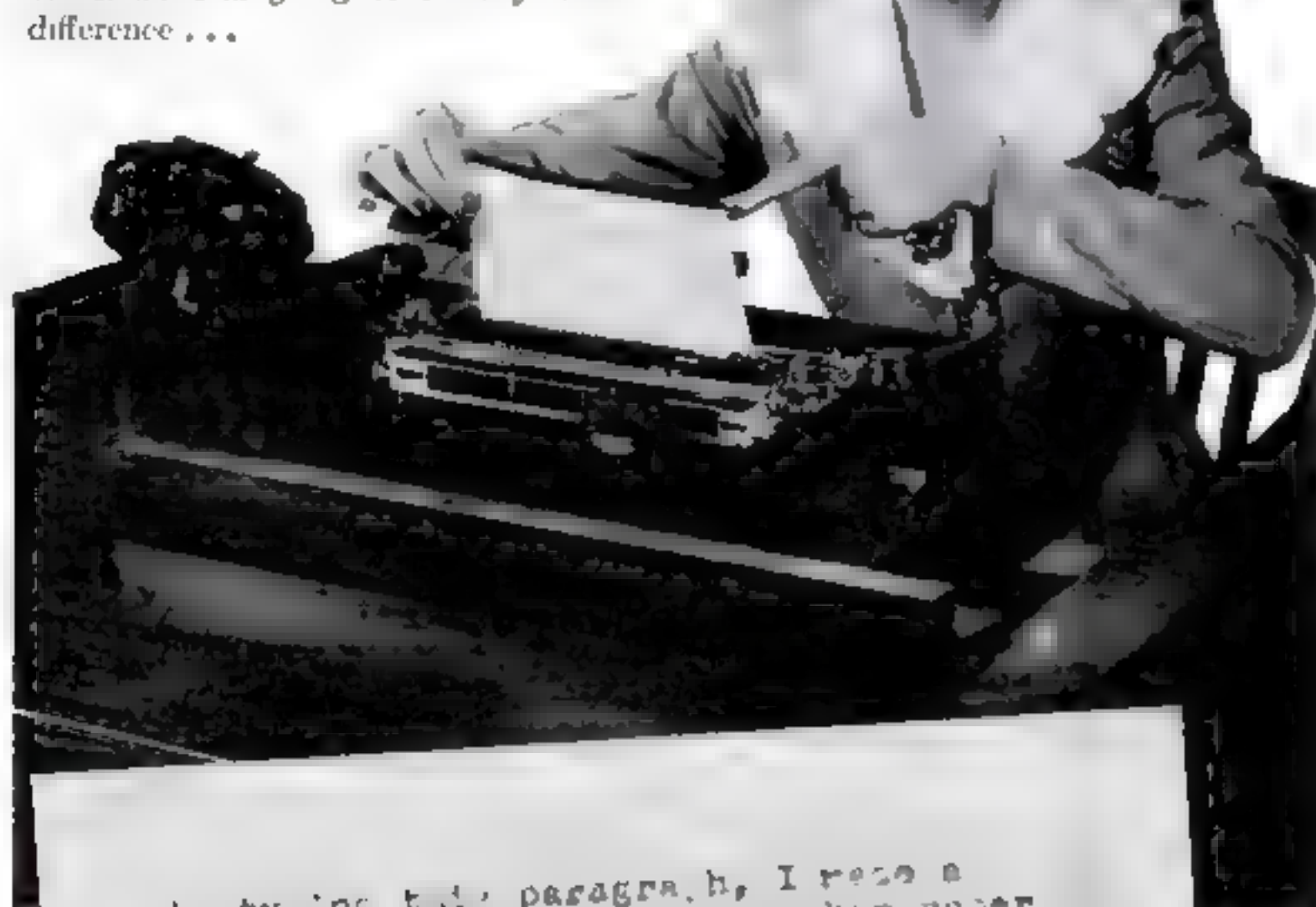
"Sighted sub sank same" is famous report of Ensign Donald Mason, demonstrating here how he dived his plane and

dropped two bombs on a submarine in the Atlantic. Clustered around him counterclockwise: Claudette Colbert (top), Car-

ole Landia, Betty Grable, Ruth Hussey (right) and George Welch, who brought down four Jap planes at Pearl Harbor.

"I'll SHOW that man what I mean!"

DEAR BOSS You won't believe that it pays to buy good carbon paper instead of the cheap stuff we use around this office. So I'm going to *show* you the difference . . .



In typing this paragraph, I used a copy with a sheet of the carbon paper we are every day. I've used this same sheet only ten times before . . . yet you can see that it ought to be thrown away. This copy is dim and fuzzy.

Now I've changed to a sheet of Park Avenue carbon paper. I've made twenty copies with this same sheet before . . . and see what a clear, legible copy it still makes! That's what I mean when I say that Park Avenue will last me far longer than any other carbon paper I've ever used.

Park Avenue helps me do *better work*, too . . . because it does not smear, offset, or get my fingers dirty.

You see, Park Avenue is made by the Royal Typewriter Company. It's *deep-inked* by a special process that soaks the ink right down into the paper. That's one reason Park Avenue keeps giving you good copies long after many other carbon papers are thrown away. Another reason is Park Avenue's extension edge, which permits the sheet to be reversed, top to bottom, so all areas of the sheet can be used.

Maybe you don't realize what an important item the cost of carbon paper and ribbons can be. So I'll remind you again that if you paid \$115 for a typewriter and have used it for five years, you have bought for it \$115 worth of carbon paper and ribbons!

You'd like to cut those costs, wouldn't

you, Boss? Well, then, why not let me ask our purchasing agent to switch to Park Avenue carbon paper . . . *today!*

Call your Royal representative *today* . . . he can quickly show you just which kind of Royal Carbon Paper exactly fits *your* typing needs.

Royal Carbon Papers and Ribbons are made by the Roytype® Division of the Royal Typewriter Company.

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ROYAL
Park Avenue
CARBON PAPER

Heroes in Hollywood (continued)



J. Michael Hall and Ann Rutherford. He shows with gestures how he led an attacking party of British commandos through hand-to-hand street fighting in Norway.



Elliot Vandevanter Jr. and Dorothy Lamour. On him General MacArthur conferred the Distinguished Flying Cross for bombing a Jap landing party on island of Luzon.



John Nettleton and Alexis Smith. He won Victoria Cross for bombing a German factory, flying 50 ft. above ground through intense anti-aircraft fire to hit his target.



Thomas Boyd and Pat Morison. A British gunboat officer, he raided a French base, took his craft, with enemy guns only 100 yd. away, to rescue crew of a burning launch.

CONTINUED ON PAGE 44



Know your neighbor

IN THIS WARTIME, you have a lot of problems in common with those folks who live around you . . . and sharing your recreation hours with them pays dividends to you—and to Uncle Sam.

You get the recreation you need . . . recharging your strength for the tasks of VICTORY . . . and your country benefits by the savings you make.

That's why it's such a pleasure to

see America turning back to the fundamental recreation—having a good time at home, and enjoying it with the neighbors. Saving tires and gas—and money for War Bonds—they're a natural part of this trend.

AND WE ARE GLAD that playing cards are having a share in this return to fundamentals. Over four-fifths of your fellow Americans play cards.

Recreation is precious now

"Recreation," says Mr. Webster, "is a refreshment of strength and spirits after toil."

And in these days a lot of us are finding that recreation doesn't need to be expensive—nor do you have to look far for it.

The pleasures that we used to drive around for have been right at home all the time!

**83% OF THE PEOPLE OF THIS
NATION TURN TO CARD PLAYING
FOR INEXPENSIVE RECREATION**

THE UNITED STATES PLAYING CARD COMPANY, CINCINNATI, OHIO

Makers of BICYCLE and CONGRESS playing cards

You'd never take them for twins!



Still Young

with UNIVIS 2-WAY* LENSES

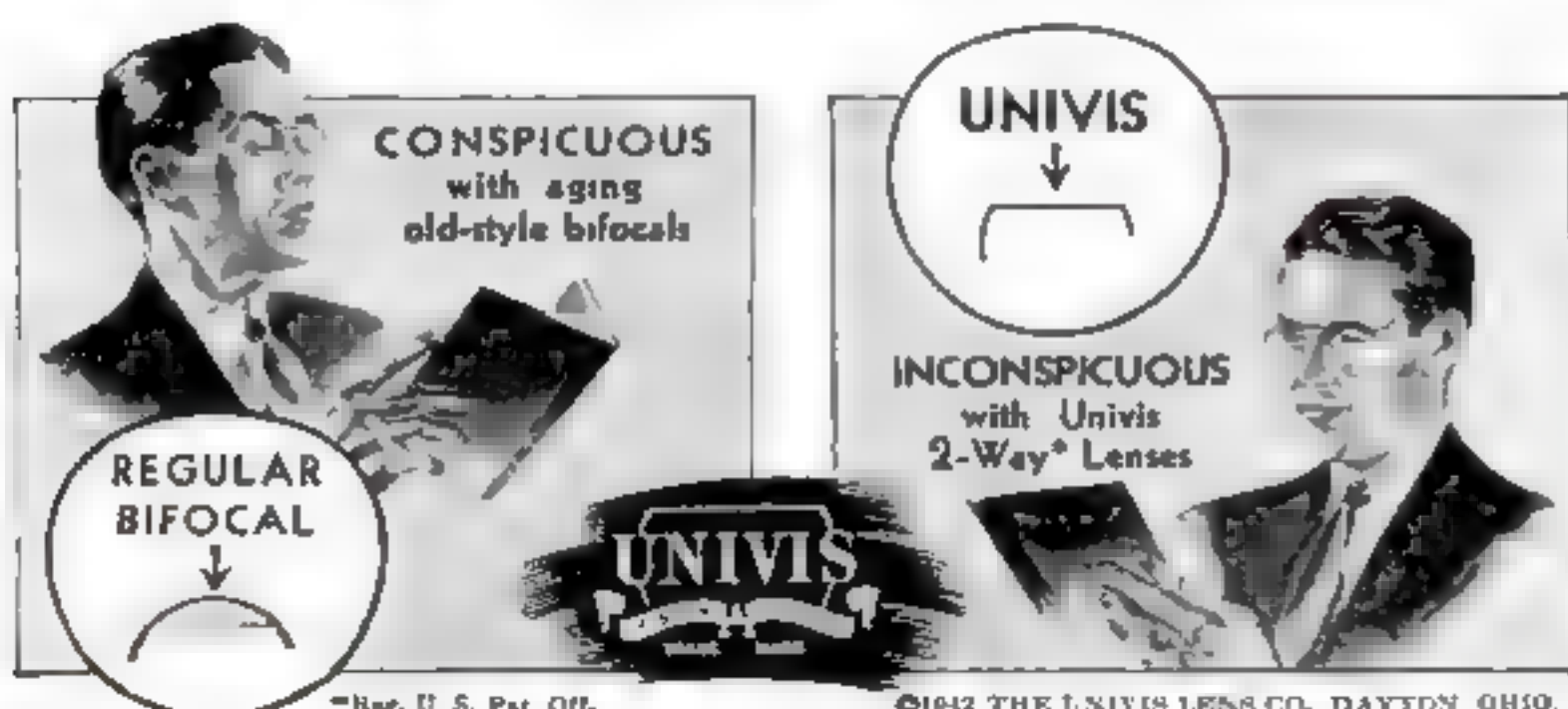
VISUAL habits can play hob with your features . . . make you look years older. Particularly, the habit of "peering" over the annoying "hump" of bifocal reading sections. It's so much easier . . . so much more comfortable . . . so much more youthful . . . to wear modern Univis 2-Way* Lenses.

The unique straight-top design of the Univis reading section

does away with distortion in objects as your eyes pass from "far" to "near." They cross over this thin, straight-top line and immediately see objects as they are and where they are.

Moreover, 2-Way* Lenses give you much more useful reading area exactly where you want it . . . help you walk confidently, read naturally, and retain your youthful visual habits.

Your changing eye requirements make it advisable to have your eyes examined regularly—at least once a year. Consult your usual source of eye service for further information regarding Univis 2-Way Lenses when you have your eyes examined.*



Heroes in Hollywood (continued)



M. London and Jean Rogers. He led the flight which shot down eight Junkers 87's south of Tobruk, and defended London during the first all-out German air attacks.



D. N. Huntley and Lynne Carver. Among the first to enlist in the R. A. F. from South Africa, he distinguished himself as a gunner in the epic bombing raid on Augsburg.



Francis Pinter and Carole Landis. He is a U. S. Navy flier who removed 10 men and women from a life raft which had been adrift in the Pacific for more than 10 hours.



Carroll McColpin and Susan Hayward. This red-headed Scotch-Irishman from Buffalo is an American Spitfire pilot with R. A. F., member of famous Eagle Squadron.



THE WORLD'S BEST DRINKS
START WITH THE *INTERNATIONAL*
GILBEY'S
GIN

THE "INTERNATIONAL GIN" DISTILLED BY GILBEY IN THE UNITED STATES—AS WELL AS IN . . ENGLAND . . AUSTRALIA . . CANADA
Copyright 1942, National Distillers Products Corporation, New York—90 Proof—Distilled from 100% grain neutral spirits



Two heads can save more than one

LIKE all good citizens, you who must make use of your car these days are taking all steps to conserve rubber, save gasoline, and generally "make things stretch." • But even the best-informed motorist can easily overlook numerous opportunities to save that an expert can quickly spot. • For example: You watch tire inflation to save rubber. Had you realized that clutch action and condition can also affect tire wear, or that a fraction of an inch of wheel misalignment can rapidly wear down a tread? • As another good citizen,

your General Motors dealer welcomes the opportunity to put his head with yours to help save your whole car — tires, gasoline, oil, parts, even the upholstery and the finish. • You make only partial use of his skill and facilities when you look to him merely for repairs—he is even more useful to you and to the country when you and he get together to see that wear is prevented.

★ ★ ★

GENERAL MOTORS DIVISIONS NOW PRODUCING:
 Aircraft Engines • Airplane Parts • Bomber
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AERIAL GUNNERS

Protection they provide is vital to success of long-range bombing

Today, a thousand miles or more from their bases, far beyond the range of friendly pursuit-plane protection, the heavy bombers of the U. S. Army Air Forces fly out to drop their loads deep in enemy territory. As they approach their targets, the commander's voice is heard over the interphone "Enemy fighters coming up—gunners, man your guns."

Tucked in the tail of every ship a man, picked for his smallness, pulls back his arming levers with a snap. Up front, a radio operator slips off his headset, opens a trap door and eases himself down into the belly turret. The engineer takes a last quick look at his motor instruments, then hunches his way up to where twin .50's in a glass dome cover the sky. In the waist, a panel on either side slides back and the 300-mile-an-hour wind whips the coveralls of the two gunners ready there.

The commander signals his wing men up or down. The enemy, diving to attack, meets the concentrated cross fire of a dozen guns. Those that survive do not attack again. Confident in its self-protection, the bomber formation goes on to the target.

On this ability for self-protection U. S. long-range bombing is built. Each bomber, alone, must be able to hold its own against fighters. Each formation must be able to lay down a deadly and impenetrable screen of fire. Everything depends upon the ability of one special class of men—the aerial gunners. They have to be good or they are dead, and heavy bombardment is dead with them.

But the five men who handle the guns in a bomber crew of nine are trained as mechanics, radio operators, cameramen. Many of them have never fired a gun. In order to make them first-rate gunners, the Air Forces give them the toughest five weeks of training in the Army.

At one of three special schools they learn their deadly business. Taught precision on miniature ranges with .22 rifles, they learn to lead and swing while shooting trap and skeet. They fire machine guns on the ground and in the air, find out the tricks of turrets. When their course is finished, they are assigned to operational training units (LIFE, April 6) ready for combat. On these pages LIFE shows the highlights of gunnery-school training at Las Vegas, Nev.



A NOVICE GUNNER SQUINTS THROUGH HIS RING SIGHT



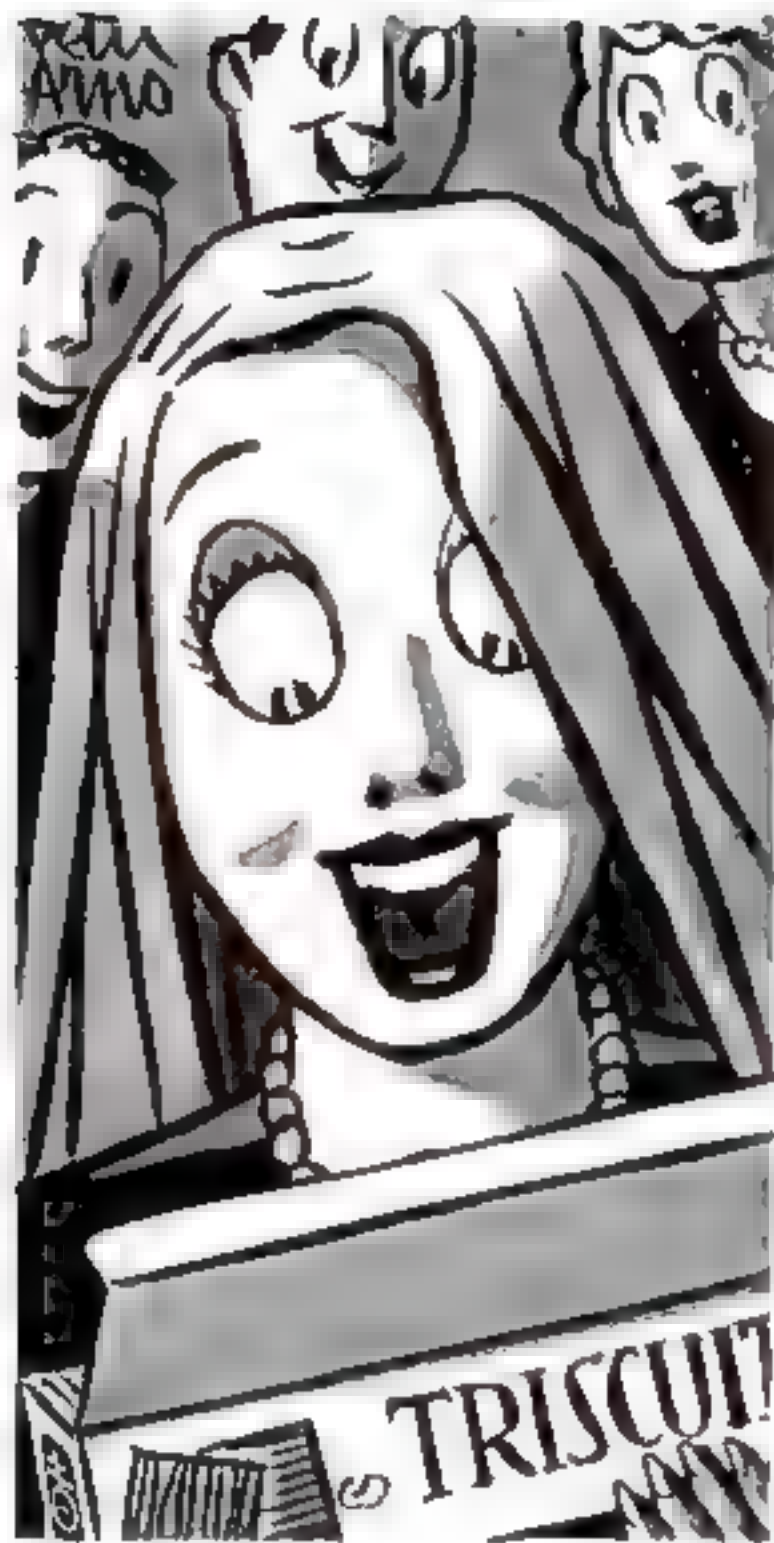
AT NIGHT, THE RANGE AT LAS VEGAS



THE GUNNER'S POINTING LEAD AND SWING



POWER TURRET'S TWO .50-CAL. GUNS TRACK THE TARGET (LEVEL STREAM, RIGHT) IN PRECISE, SHORT BURSTS



*"And I thought
it was only
pearls!"*

People say the *strangest things*! Especially when it's TRISCUIT in the office. One's first munch explains all. Down go the bars on restraint. Up go the cries for *more*.

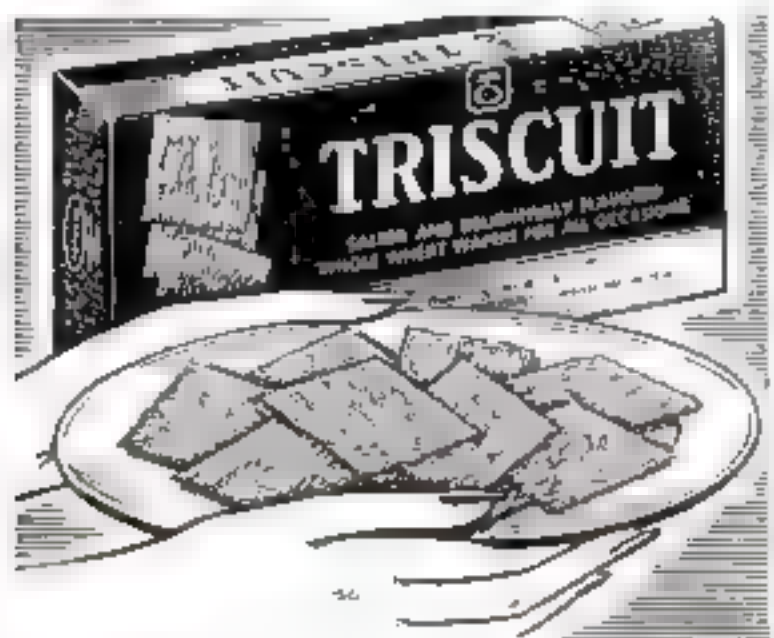
Yes, when an elegant eatable like *this* comes your way, overboard you go. You'll tallyho for TRISCUIT—as cozy hand-to-mouth snacks—with soups, salads and drinks.

TRISCUIT as a canape base wouldn't wilt a whit, even if guests *didn't* snap them up so avidly. Ask for TRISCUIT in single or double packages.

TRISCUIT are made of *pure whole wheat*, a type of food recommended in the Nutrition Food Rules.



Baked by NABISCO
NATIONAL BISCUIT COMPANY



TRISCUIT
REG. U. S. PAT. OFF.
SALTED AND DELIGHTFULLY
FLAVORED WHOLE WHEAT WAFERS

Aerial Gunners (continued)



Plane recognition, vital to gunners, is taught to the men in classrooms. Knowing the plane, gunner can judge his range by its size in the ring sight and knows when to fire.



This shooting gallery has four fast moving rows of little plane silhouettes. The students must be able to mow down all four with toy guns that squirt streams of pellets.



Toughest shooting in the school is this super-skeet. Armed with shotguns, men ride on trucks down a road and fire at unexpected clay pigeons that come from anywhere.



Here's *secret* of
perfect **GRAVY**
at only a penny's cost!



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STORE PRODUCTS
480 Lexington Ave.
New York City

1. **FLAVOR:** Kitchen Bouquet gives the most delicious flavor to gravies.
2. **COLOR:** Kitchen Bouquet makes everything look so appetizing—adds a rich, tempting brown color.
3. **EASY TO USE:** It's so easy to cook with Kitchen Bouquet. You just season to taste or follow simple recipe included in package.
4. **ECONOMICAL:** Kitchen Bouquet is inexpensive to use—goes a long way.

Get Kitchen Bouquet—the seasoning sauce—today.

**KITCHEN
BOUQUET**

"It Makes the Gravy!"



1. "FEATHER TOUCH"

PAL Blades are flexible—Zip through wily whiskers with just a "feather touch" stroke. No need to "bear down"—kinder to your face—get more shaves per blade, too.



2. NO CLOG

PAL hollow ground permits cut hairs and shaving cream to flow back into concave groove—leaves cutting edge free for more efficient shaving.



Shaving's believing—get a pack today. Guaranteed the best ever—or money back.

PAL hollow-ground
RAZOR BLADES

Economy Size
25 for 50¢ 50 for \$1

4 for 10¢
10 for 25¢



DOUBLE
EDGE

SINGLE
EDGE

Fit Double or Single Edge Razors Perfectly!

CONTINUED ON PAGE 46

No, Mrs. Baker... NESCAFÉ HAS NOT BEEN WITHDRAWN FROM THE MARKET

Box 482
Pawling
New York

Nestlé Milk Products, Inc.
New York, N. Y., U. S. A.

Gentlemen:

Our local markets having
all disposed of their last cans
of Nescafé, and declared the
product to be withdrawn from
the market, we resign ourselves to
trying to drink the old stuff,
but mostly throw it down the
sink.

We are glad to do what
we must do. But what we do
not understand is this:

Nescafé was advertised
in last Sunday's N. Y. "Herald-
Tribune."

Surely you would not
spend fees to advertise what
you cannot for some reason
deliver! Without Nescafé we are
desolated! Please advise.

Yours Truly,

(Mrs.) Everett Baker

NESTLÉ'S MILK PRODUCTS, INC.
122 EAST 44TH STREET
NEW YORK CITY



Dear Mrs. Baker:

We realize and are truly sorry that you, like
many of our customers, are presently having
some difficulty obtaining Nescafé and sincerely
regret that we cannot promise any substantial
improvement in the situation.

We are doing our best, but -

Our Army, Navy and the Red Cross come
first - they are using large quantities
of Nescafé - and our sales to consumers
are greatly restricted by the Government
Coffee Conservation Order.

Right now - we cannot completely satisfy the
demand for Nescafé, but we know you will under-
stand when you find your grocer temporarily out
of Nescafé. We hope, however, you will not have
to wait more than a few days for him to receive
his supply.

We thank you for your letter and assure you we
are looking forward to the day when
there will be no more such letters.

NESTLÉ'S MILK PRODUCTS, INC.



NESCAFÉ

A NESTLÉ PRODUCT... COMPOSED OF EQUAL PARTS OF SKILLFULLY BREWED SOLUBLE COFFEE AND ADDED CARBOHYDRATES (DEXTRINS, MALTOSE AND DEXTROSE) TO PROTECT THE FLAVOR.



"Horrors! Do boys think sheets can stand anything?"



The truth is, boys don't think about sheets. But Pequot has thought about boys, and the various kinds of punishment a family sheet has to take. And Pequot has developed a famous construction, designed to meet situations of exceptional wear.

A remarkable guarantee. Do you envy large purchasers of sheets who can afford extensive tests before buying? You need not, for you yourself can buy just as wisely, just as scientifically. The United States Government has set very high standards for its own purchases of heavy muslin sheets. Spec-

ifications cover weight, thread count, breaking strength. And every Pequot Plus-Service Sheet is guaranteed to surpass these standards!

Our right to make this guarantee is backed by extensive and exacting tests, covering a period of over 9 years. Results are certified by the U. S. Testing Company of New York. Thus the Pequot guarantee provides you with an infallible guide. The guarantee is on every Pequot Plus-Service Sheet—look for it when you buy.

PEQUOT MILLS, SALEM, MASS.

BE SURE THE TABS PROJECT!

Only Pequot has projecting size tabs. Easy to select the size you want from your linen shelves! In many other ways Pequot offers you convenience and luxury—as well as phenomenal wear.



PEQUOT SHEETS

PEQUOT...AN INDIAN NAME

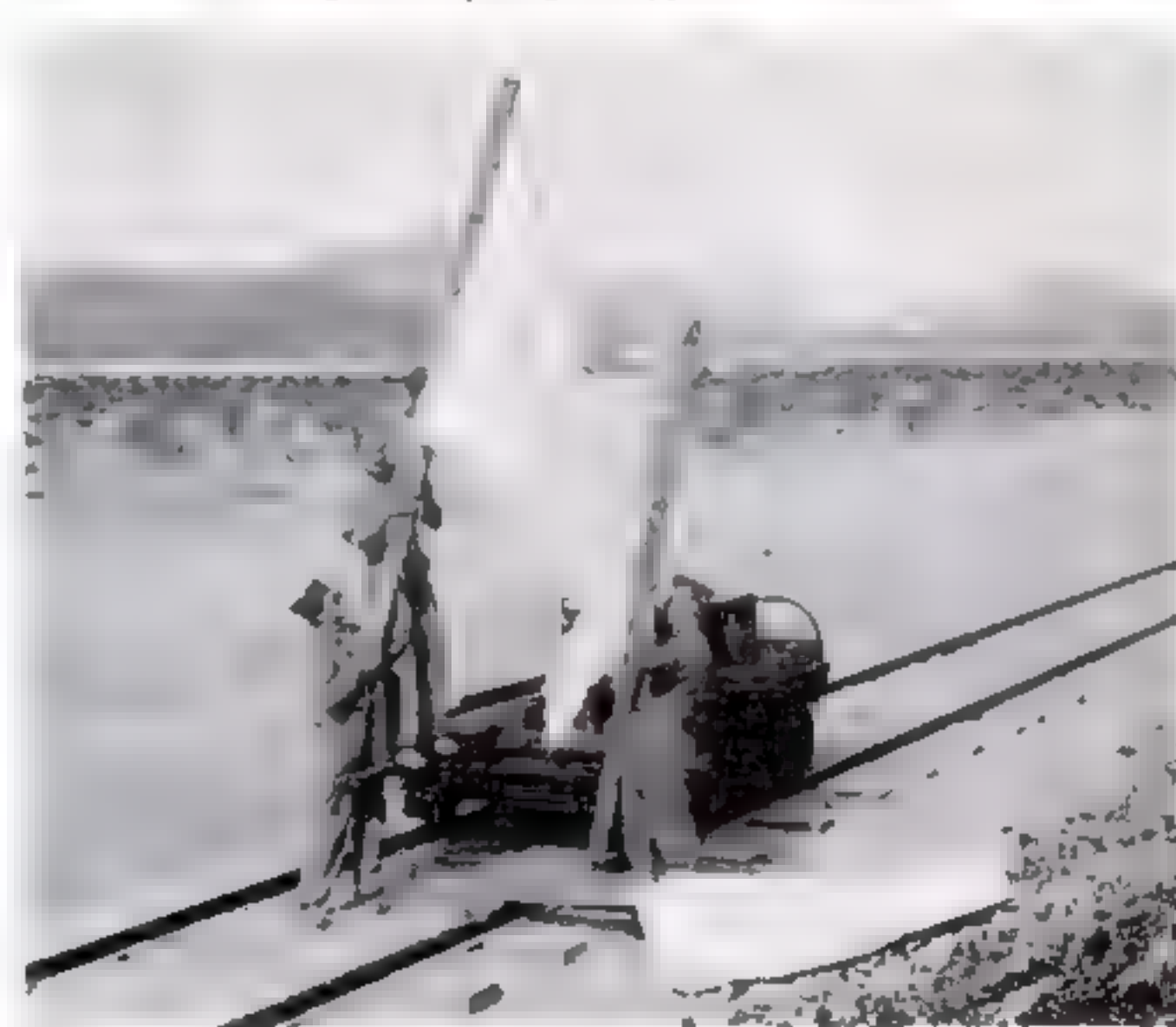


PRONOUNCED PEE-KWAT

Aerial Gunners (continued)



Near the end of their course, the gunners learn how to operate power turrets, which have more elaborate sights than plain guns. Type above is used in B-24's and B-26's.



At 40 miles an hour this cloth target travels a triangular course around the range. Bullets are painted, and the number of hits is scored by counting different colored holes.



Final week at gunnery school is spent in the air, firing at towed targets. This gunner (rear) is putting in a new belt of ammunition as he comes up alongside the sleeve.



Wine-friendly as an old tune

... In our own homes wine gives us a moderate way to relax, to be good company

How long since you've had good friends over, just to join in an old tune... just to sit and enjoy themselves over a glass of wine?

People are doing it more and more. For when you share an evening and good wine with friends you find yourself better able to put aside the burdens of the day. Better able to relax.

In fact, wine is made on purpose to help people find relaxation a moderate way.

It is made for friendship. That is the age-old charm of wine, glowing and fragrant in your glass.

About serving—connoisseurs will tell you that wine is at its best when set out simply, as you'd serve tea or coffee.

Would you like a free new booklet on wines and wine serving—and on wine in cookery? Just write the Wine Advisory Board, 85 Second Street, San Francisco. The Board represents the wine growers of California.

It is worth knowing that the California wines at your dealer's are sound, well developed and true to type. Competent authorities pronounce these wines good by any standard in the world. Your dealer will help you select among them.



These glasses hold Sauterne...popular with light refreshments or at mealtime with sea food or chicken. With red meats, choose a hearty red table wine like Burgundy or Claret. Before dinner? The world's favorite appetizer is nutlike, amber-colored Sherry.

Straight from the Tiger's Mouth!



North American Apache, U. S.
The British call it "The Mustang"



Bell Alacobra
U. S. and British designation



Lockheed P-38 Interceptor (U. S.)
The British call it "The Lightning"



THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE
This is a full-rate Cablegram unless its deferred character is indicated by a suitable symbol preceding the address.

WESTERN UNION CABLEGRAM

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE PRESIDENT

SYMBOLS	
LC	Deferred Cablegram
NLT	Cable Night Letter
	Ship Radiogram

WU BA156 VIA RCA=F LEIYUN APR 21 NLT
OTTO T KREUSSER ALLISON DIVISION=

GENERAL MOTORS CORPORATION

INDIANAPOLIS INDIANA USA=

KUNMING CHINA CABLE DATED APRIL EIGHTH GREETINGS TO ALL ALLISON ENGINE PLANT WORKERS FROM THE COMMANDING OFFICER AND FIGHTER PILOTS AND GROUND MAINTENANCE CREW OF THE AMERICAN VOLUNTEER GROUP OPERATING IN CHINA AND BURMA STOP OUR PILOTS FLYING CURTISS P-40 PURSUIT AIRPLANES EQUIPPED WITH ALLISON LIQUID COOLED ENGINES HAVE BEEN EXTREMELY SUCCESSFUL IN THEIR FLIGHT OPERATIONS AGAINST THE INVADING JAPANESE AIR FORCE

YOU MEN AND WOMEN OF ALLISON HAVE DONE AN OUTSTANDING JOB IN BUILDING THE ALLISON ENGINE WITH SUCH FINE PRECISION AND CAREFUL WORKMANSHIP WITH THE RESULT THAT THE PERFORMANCE OF THESE LIQUID COOLED ENGINES HAS BEEN ABSOLUTELY AMAZING UNDER THE MOST GRUELING WARTIME FIGHTING CONDITIONS

EXCELLENT QUALITY OF WORKMANSHIP AND MATERIALS HAVE MADE POSSIBLE THE OUTSTANDING PERFORMANCE OF THESE ENGINES IN THEIR DOGFIGHTS WITH THE ENEMY OVER THE RICE PADDIES AND JUNGLES OF BURMA AND CHINA IN WHICH WE HAVE DESTROYED OVER TWO HUNDRED JAPANESE PLANES IN THE AIR AND ON THE GROUND WITHOUT TO OUR KNOWLEDGE LOSING A PILOT OR AIRPLANE DUE TO ENGINE FAILURE

QUOTE YOU KEEP PRODUCING EM AND WE WILL KEEP EM FLYING DASH LETS GO AMERICA END QUOTATION VERY SINCERELY YOURS=
COLONEL C L CHENNAULT CHINESE ARMY, COMMANDING AVG.

THE QUICKEST, SUREST AND SAFEST WAY TO SEND MONEY IS BY TELEGRAPH OR CABLE

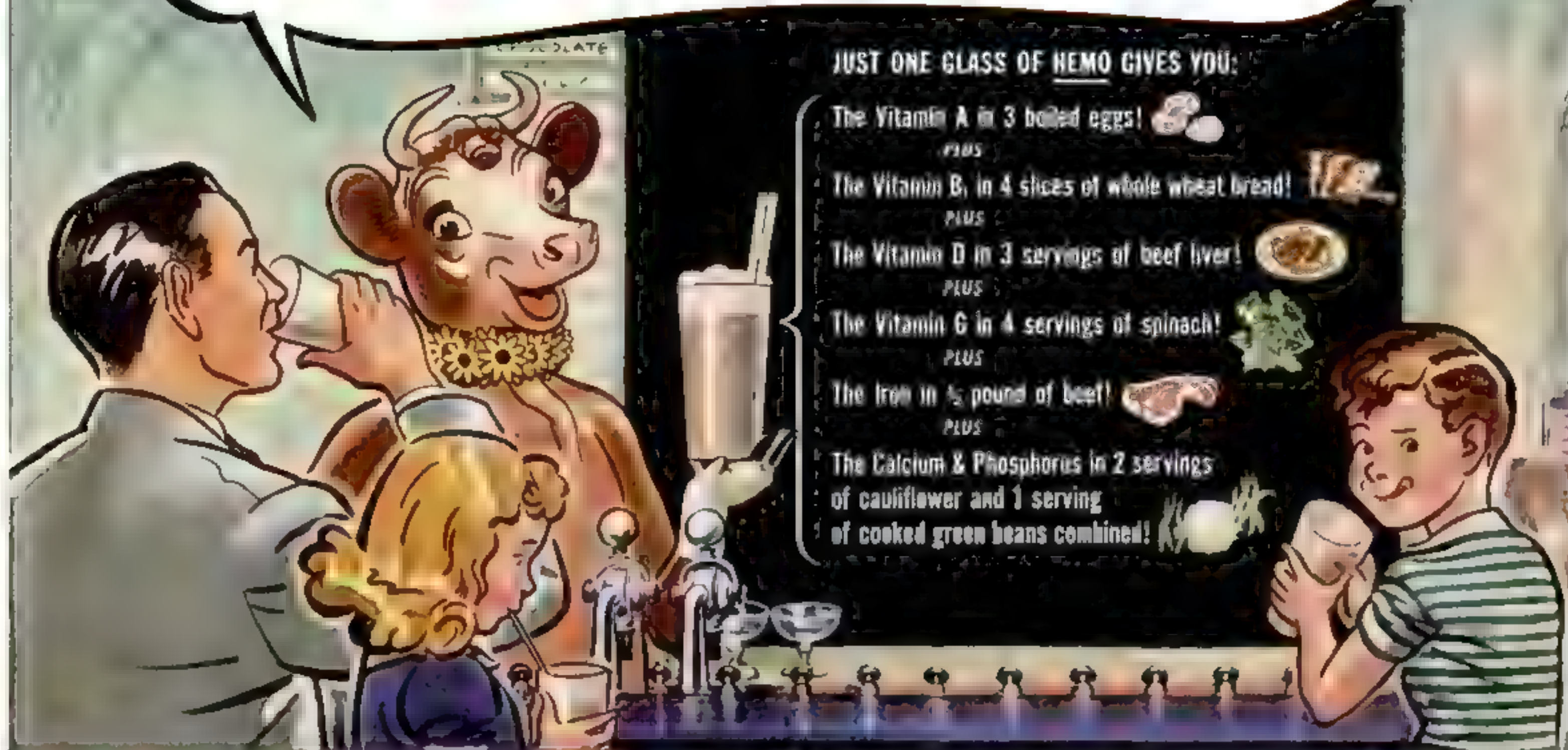
Allison



DIVISION OF

NOTE The American Volunteer Group, popularly known as the Flying Tigers, paint their planes as shown here to simulate the snout of the deadly tiger shark. The Allison engine, which permits that lethal shark-nosed streamlining, also powers thousands of other United Nations craft.

CAPTURED! ALL THESE
NECESSARY VITAMINS AND MINERALS
IN ONE DELICIOUS DRINK!



Here's HEMO—Borden's new way to drink your vitamins and like 'em!

MEET HEMO—the fastest-growing drink in America! It tastes better than the smoothest malted milk! But, far more important...

HEMO ADDS VITAL FOOD ELEMENTS to your diet. Elements that U.S. Government studies show 3 out of 4 diets lack!

ONE GLASS OF HEMO—just one—supplies half your daily needs of vitamins A, B₁, D, G; and iron! Plus valuable amounts of calcium and phosphorus! Enough of all these vital food elements to make up practically any shortage of them in your normal diet!

IF YOU'VE ALREADY TRIED HEMO in your own home, wait...wait, till you try it at your favorite soda fountain! It's made up like a malted milk in any flavor you like. Served from the individual, "full-flavor" container that guarantees

the right amount of vitamins and minerals in every drink! Good? It's glorious!

ALMOST A MEAL IN ITSELF, HEMO gives "sandwich-lunchers" the vitamins and minerals they need for glowing health.

Start drinking HEMO now! See if you don't get a brand-new kick out of living! At fountains...at home, try HEMO!

Borden's
Hemo

IF IT'S BORDEN'S, IT'S GOT TO BE GOOD!



AT SODA FOUNTAINS

This sanitary, individual envelope brings you a full, measured serving of HEMO. Guarantees full flavor, full vitamin-and-mineral values...in every drink!



FOR HOME USE Full pound—59¢

Chocolate-flavored HEMO is easily mixed at home. Just follow directions on can. Order it at grocery or drug stores.



WOMEN NOW HAVE CHOICE OF WEARING STOCKINGS (S), PAINTED (P) OR BARE (B) LEGS. THE NAKED LOOK OF PALE LEGS HAS DRIVEN WOMEN TO "BOTTLED" STOCKINGS

PAINTED LEGS ARE SUMMER SOLUTION TO PROBLEM OF SHEER-STOCKING SHORTAGE

To the male eye a pair of pretty, well-groomed legs is something to whistle at. To the female in these abnormal times of silk and nylon shortages, they're an expense and a nuisance. Nylon stockings cost \$2.50. Cheap rayon hose are distrusted. Cotton and lisle are unflattering. Unashamed, pallid, bare legs are conspicuous and unprovocative. For this dilemma, which frankly faces both sexes, the cosmetic industry now offers an agreeable solution, i.e. painted stockings.

"Stocking Fizz," "Leg Film," "Legstock," "Leg Show" are a few of the dozens of preparations now

available. When they are properly applied the most scrutinizing pair of masculine eyes cannot distinguish between legs thus covered and legs in sheer hose.

Up to this spring the bare-legged fashion was limited to resort wear. By March, when stocking prices were highest, city women started to go bare-legged. Virginia was first State to acknowledge the emergency, when governor approved bare legs for State employees. Washington, D. C. ruled that the matter of bare or covered legs was one for department heads to decide. For painted stocking effects, see pages following.

cool shaves

Cited for Comfort!



Ingram's helps condition your skin for smooth shaving while it's wilting your wiry whiskers

A MEDAL FOR COMFORT—citations for smoothness and speed—belong to Ingram's Shaving Cream! As it wilts your whiskers with motorized speed and dispatch, Ingram's helps condition your skin for shaving. You get a smooth, clean, close shave—and a COOL one.

Long, long after the final maneuver of your flying blade, your face keeps on feeling braced, refreshed—and in addition it looks smoother, happier, younger!

Get Ingram's Shaving Cream today, in the long-lasting jar or the big handy tube. In either container, Ingram's rates enthusiastic salutes!



Product of
Bristol-Myers

INGRAM'S

shaving cream

Painted Legs (continued)



Length of painted stocking is determined by kind of activity wearer indulges in. At left, above, "stocking" is high enough for windy day. Height at right is for swimming.



With or without seam, "bottled" stockings may be applied. Seams are hard to put on without help. Men feel that a painted seam is carrying a fraud beyond decent limits.



A DAB A DAY

KEEPS P.O.* AWAY

New cream positively stops
*underarm Perspiration Odor
as proved in amazing

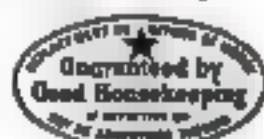
HOT CLIMATE TEST

1. Not stiff, not messy—Yodora spreads just like vanishing cream! Dab it on—odor gone!
2. Actually soothing—Yodora can be used right after shaving.
3. Won't rot delicate fabrics.
4. Keeps soft! Yodora does not dry in jar. No waste, goes far.

Yet hot climate tests—made by nurses—prove this *deodorant* keeps underarms immaculately sweet—under the most severe conditions. Try Yodora! In tubes or jars—10¢, 30¢, 60¢. McKesson & Robbins, Inc., Bridgeport, Connecticut.

YODORA

DEODORANT
CREAM



SUMMER SKIN COMFORT



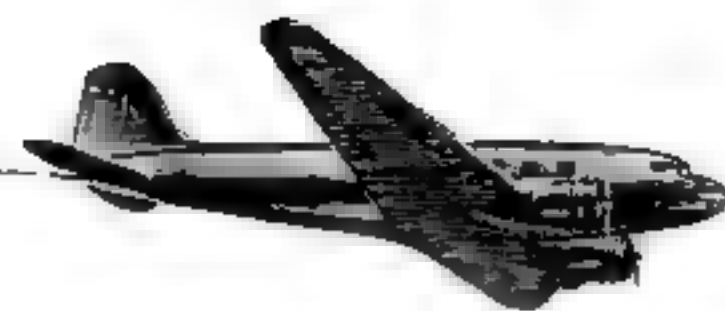
AROUND THE WORLD

AMMEN'S POWDER

SWEET-ORR
TRADE-MARK
SINCE 1871
WORK CLOTHES
MADE IN U.S.A.

CONTINUED ON PAGE 34

THIS IS OUR JOB...



THE 20 Airlines of the nation are contributing to the full limit of their experience and resources to help win the war.

This job is clearly divided into three parts:

First, we are under contract to the United States Armed Forces, to transport arms and ammunition, men and essential supplies to our military stations wherever they may be.

Second, we have for many months been helping to train combat pilots and ground personnel for

the U. S. Army and Navy, and performing other vital military and naval services.

Third, we are continuing operation as a common carrier air transport system with schedules serving the important war production centers.

"The whole-hearted fashion in which the air carriers have coöperated with the military services in furtherance of the war effort," states the Civil Aeronautics Board, *"has made it possible for them to continue operating under private management"*

THE 20 AIRLINES OF THE NATION

REPRESENTED BY THE AIR TRANSPORT ASSOCIATION, 1915 MASSACHUSETTS AVENUE, N. W., WASHINGTON, D. C.

All American Aviation, Inc.
American Airlines, Inc.
Braniff Airways, Inc.
Catalina Air Transport
Chicago & Southern Air Lines, Inc.

Colonial Airlines, Inc.
Continental Air Lines, Inc.
Delta Air Lines
Eastern Air Lines, Inc.
Hawaiian Airlines, Ltd.

Inland Air Lines, Inc.
Mid-Continent Airlines, Inc.
National Airlines, Inc.
Northeast Airlines, Inc.
Northwest Airlines, Inc.

Pan American Airways System
Pennsylvania-Central Airlines Corp.
Transcontinental & Western Air, Inc.
United Air Lines Transport Corp.
Western Air Lines, Inc.

And in Canada: Canadian Airways, Ltd. • Trans-Canada Air Lines • Yukon Southern Air Transport, Ltd.



DEB BRIGHTENS FLIER'S OFF-DUTY HOURS

Lovely Carol Marcus, New York debutante, rations her time between civilian defense duties and entertaining men in service. Says Carol, "I think we owe it to the boys to look as lovely as we can. So I take a Woodbury Facial Cocktail. It touches off beauty in a girl's complexion." Made for the skin, alone, Woodbury Facial Soap is blended of fine oils. A costly ingredient assures its mildness. Try Woodbury!



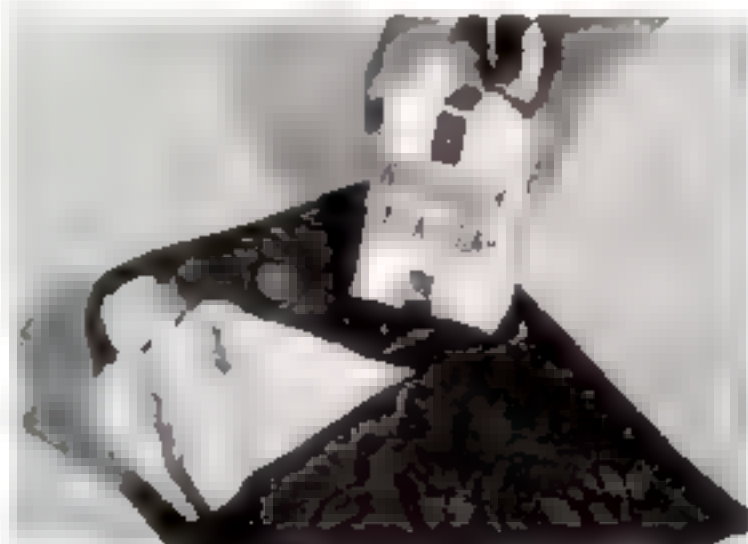
1. Cholly Knickerbocker (Maury Paul), society reporter, notes this deb's beauty method. Says Carol, "I smooth on a rich lather of Woodbury Soap. Then let this gentle lather dry a bit."



2. "Next I sponge away all soil with warm water, followed by a cold rinse. A Woodbury Facial Cocktail works fast to brighten my complexion. It never makes my skin feel drawn."



3. From fire truck, Carol sees flying field, escorted by handsome lieutenant. "Until I tried Woodbury, I never knew how nice my skin could be. The lather is as gentle as a caress."



4. "For the Skin You Love to Touch," try Woodbury Soap. You'll love the luscious mildness of this true skin soap. You'll see your skin grow smoother and fresher day by day. 10¢ a cake.

Painted Legs (continued)



Different stocking shades are tried at Tone salon. For women with hot feet, there are short socks to wear inside shoes. For girdle garters, Munsingwear has a leg anchor.



Stockings stay on after swimming. Warm water and soap will clean them off. Trick in applying Legstick is to use clean sweep from toe to thigh, polish with chamouis cloth.

Men Who Think of Tomorrow Appreciate Seagram's Foresight !



The superplane of the future—shunting through the stratosphere at a thousand miles per hour. You'll breakfast in New York and lunch in London—or jump from Boston to Burney between dawn and dark. And all because there are men today who think and plan for *Tomorrow*.

IN THIS distinguished bottle of glorious Seagram's V.O. are rare whiskies laid away years ago—when the League of Nations was still trying to maintain peace . . . when the Clippers began flying the Pacific . . . even before "Gone With the Wind" appeared. Carefully blended, these treasured whiskies have been mellowing for *Tomorrow*. Seagram constantly lays away fine whiskies—so that in the years to come Seagram's V.O. CANADIAN will be as gracious, smooth and LIGHT as it is today!



Seagram's V.O. CANADIAN

CANADIAN WHISKY • A BLEND OF RARE SELECTED WHISKIES

Seven years old—86.8 Proof. Seagram-Distillers Corporation, New York

New! SPECIAL EVEREADY FLASHLIGHT FOR CIVILIAN WARTIME USE!



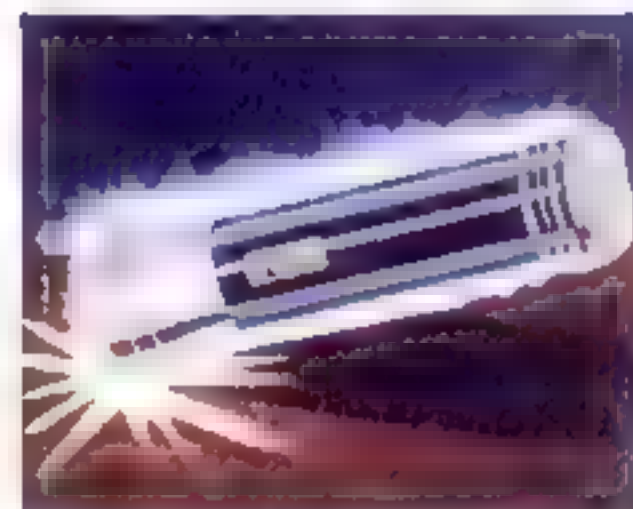
Made of special 5-ply fibre, new laboratory-tested design saves copper, brass, nickel, chromium and other metals vital to war use!



STRONG!... Made of special fibre sheets, tightly laminated in 5 layers, the tube is tough and hard. It will give long years of service!



WATER-REPELLENT!... This new "Eveready" flashlight is protected by a special water-proof coating which seals out moisture.



LONG LASTING!... Drop it on concrete floor—this flashlight case can 'take' ordinary abuse. It is actually more durable than millions of flashlights now in use.

METALS HAVE GONE TO WAR!

But metals or no metals, America needs flashlights... at home, in business, on the farm, in the factory... needs them for a thousand vital civilian uses.

And America shall have them!

This national need—made more pressing than ever by wartime emergency conditions—has been

answered by the world's largest flashlight-and-battery laboratory. And answered emphatically.

Here it is—the new "Eveready" flashlight made of tough, 5-ply fibre—tested and proven under severest laboratory conditions.

Yet it is made virtually *without* the use of metal. Soon available at all dealers—ask for it!

Keep flashlights loaded with dependable fresh DATED "Eveready" batteries—and have an extra set on hand for your light in case of long-continued use.

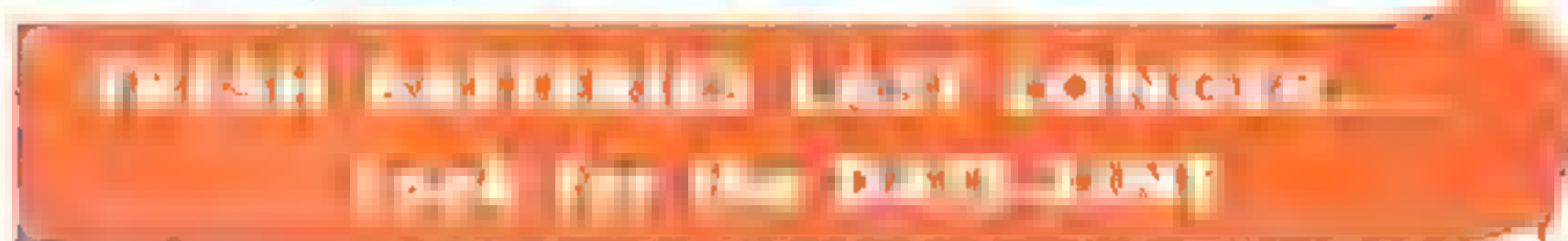
NATIONAL CARBON COMPANY, INC.

30 East 42nd Street, New York, N. Y.

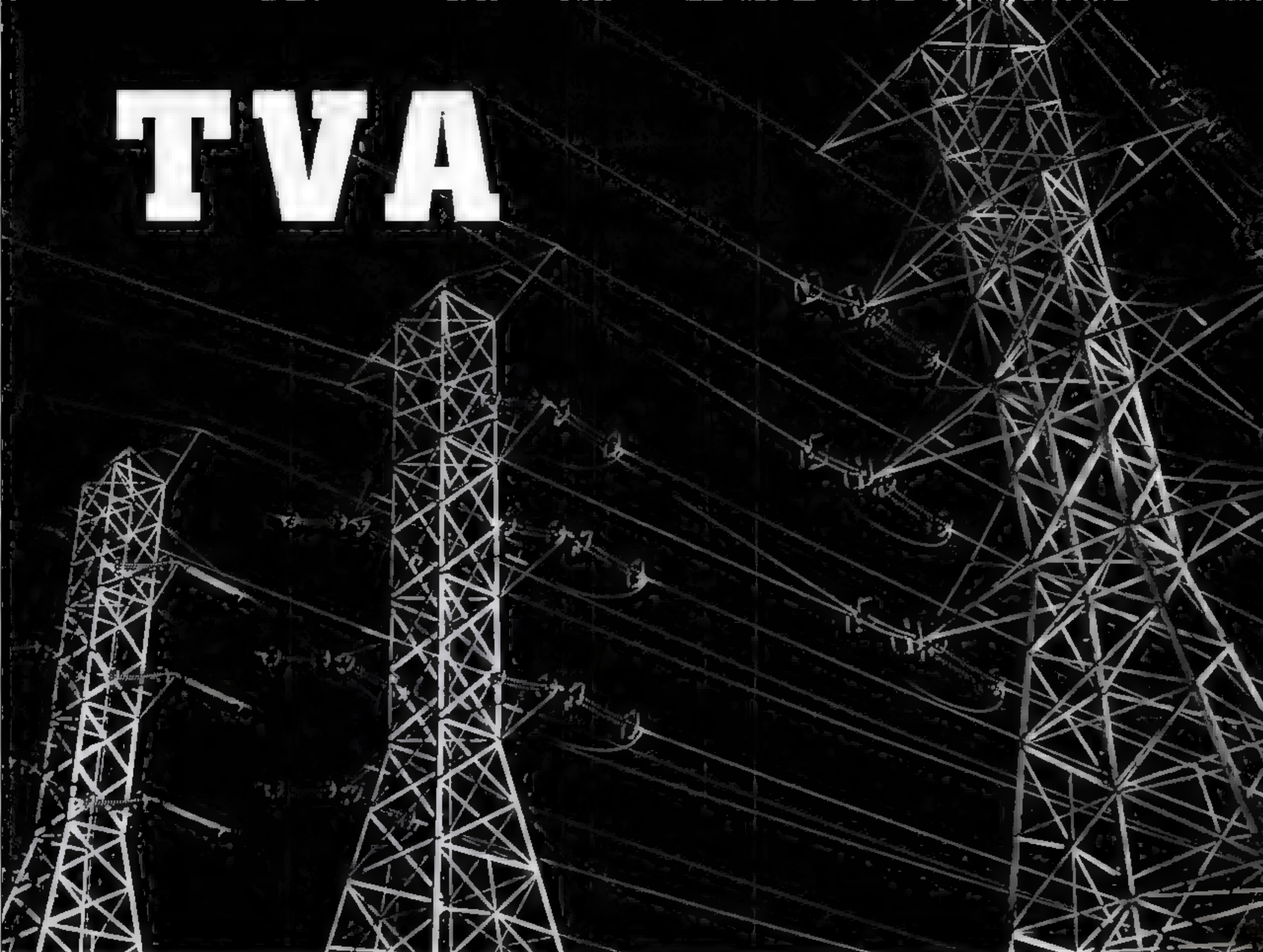
Unit of Union Carbide and Carbon Corporation

UCC

The word "Eveready" is a registered trade-mark of National Carbon Company, Inc.



TVA



IN ROWS OF THREE, HIGH-VOLTAGE TRANSMISSION TOWERS CARRY TVA CURRENT HUNDREDS OF MILES FROM HYDROELECTRIC DAMS TO THE BUSY WAR PLANTS OF THE SOUTH

IT IS WORKING OVERTIME FOR WAR

In this critical summer of 1942, TVA is creating power for the nation's war machine. It is building a dozen new hydroelectric dams. It is installing extra generating units in a dozen dams already finished. It is studding the old and far-reaching valley of the Tennessee with the shiny new long-distance transmission towers you see above. Into the great chemical and electrometallurgical plant of the awakening South, it feeds the crisp current that produces aluminum, explosives and bombers.

The time is past when Government-owned TVA was a battleground of political philosophies. In 1940, with the din of war reaching across the Atlantic, its power program was rapidly expanded to meet the needs of U. S. defense. Today TVA is the largest single construction project in history. The materials it has in use would build eight Boulder Dams. It supplies 60% of the current for the vital U. S. aluminum industry.

In nine short years since the creation of the Tennessee Valley Authority, it has put in operation or into construction the great network of dams shown in diagram at right. Its system descends with the rivershed, from the western slopes of the Smokies, over the eroded hills of east Tennessee, dips across the full sweep of Alabama and turns north again to join the lower Ohio in Kentucky, 47 miles above the point where both rivers pour together into the Mis-

Mississippi. The dams on the mountain tributaries, which extend fingerlike at the eastern end of the diagram, are mainly for storage. They impound the heavy highland rains, releasing water through their turbines only as it is needed by the powerful generating units on the main river below. There TVA's big power dams use the waters of the Tennessee nine times over as they drop down the valley.

Although the Tennessee offers the third largest power potential of any U.S. riv-

er, its full possibilities could not be utilized without this conservation of its water supply in mountain reservoirs, and by careful downstream control. Both the Columbia and the Colorado outrank it. The mountain glaciers of the Pacific Northwest provide natural storage for the former, while the Colorado is harnessed by Boulder Dam. But the capacity of the Tennessee to make electricity must depend on an elaborate series of artificial reservoirs to conserve the seasonal rains of the Southern Appalachians. Additional generators can be installed in main river power dams only so fast as new storage dams can be built in the headstreams above. For the first time in history, an entire watershed is being brought under man's control.

Most urgent of the new storage dams is Douglas, on the French Broad, last important tributary to be harnessed into the TVA system. For pictures of the building of Douglas Dam, turn page.



TVA'S POWER SYSTEM FOLLOWS THE RIVER AND ITS TRIBUTARIES THROUGH FIVE STATES



FROM THIS HEIGHT ABOVE DOUGLAS, TWO OUT OF THREE SIDES OF ITS COFFERDAM ARE VISIBLE. WHEN CENTER SECTIONS ARE JOINED, STREAM WILL FLOW AROUND FAR SIDE.

DAM IS BUILT IN 12 MONTHS

The important thing in these photographs is speed. Through the hot summer nights of Tennessee—under the glare of 1,000-watt bulbs—sweating men hurry their machines. This is the graveyard shift, for on the job at Douglas Dam there is neither night nor day. Three times in every 24 hours a new gang takes its post

on the muddy river bottom and freed men go home to bed.

For Douglas must be built in twelve months—faster than any big dam has ever been built before. When its spillways are finally closed, they will hold back a reservoir 45 miles long. This precious water will help water

BAT-WAGON AT LEFT HAS BEEN NEARLY FILLED BY THE HEAVY DIESEL POWER SHOVEL, AND ALREADY THE EMPTY WAGON IN FOREGROUND IS SWINGING AROUND TO TAKE ITS PLACE.





BULLDOZER ATOP COFFERDAM WRESTLES WITH THE RIVER'S ROCK FILL. BEHIND THE 40-FOOT CRANE IN THE CENTER, THE CONICAL TOP OF UNFINISHED CEMENT SILO

the turbines of nine main river dams downstream. At Wilson, 400 miles below, four extra 24,000-kw generators are already being installed to make use of the increased river flow.

Encircling the work area at Douglas is a timber-cribbing cofferdam which has forced the river into a deep

channel. Its outer sections are filled with heavy rock; its center with clay. The logs for it were cut from the river banks. Within the cofferdam, men and machines are stripping the river bed, removing the 30 ft. of clay and shale that blanket the bedrock on which the concrete dam must rest. They drill through the soft de-

posit, blasting it loose with networks of dynamite charges. Giant power shovels scrape off the upturned rock, drop it into the waiting trucks that file steadily up out of the steep gorge. When the last dripping load has lumbered off and the first concrete is ready to be poured, Douglas Dam will be one-third finished.

TWO-MAN WAGON DRILLS POUND RAPIDLY THROUGH ROCK AND SHALE, RAISING A CHOKING DUST. NOTE TIMBER CRIBBING OF COFFERDAM (LEFT) AND SHOVEL AND CRANE (RIGHT)



WOODEN FORMS FOR CONCRETE DEMAND SKILL

In color at the bottom of the opposite page may be seen a daytime view of the work on the Douglas Dam site. In the distance is the incomplete cofferdam and behind that the perpendicular rise of the left bank. Meanwhile, as the river bed is being stripped, TVA carpenters ready a draft-tube form (see below) for concrete pouring, the next stage of construction.

The draft tubes are molded into the solid base of the powerhouse to carry off the water from the turbines.

The form around which they are poured is an intricate wood structure of ribs and braces, built to a delicate tolerance and sheathed with smooth boards.

The form is put together in the carpentry yard on the dam site. After completion it is sawed into eight sections to permit removal and is reassembled in its proper position in the dam. It is sanded and oiled and the concrete poured around it. When the latter sets, the form is removed, leaving the finished tube.



THIS ELBOW IN DRAFT-TUBE FORM WILL REST JUST BELOW TURBINE WHERE TUBE BENDS FROM VERTICAL TO HORIZONTAL. TUBE WILL EXTEND 50 FT. DOWNSTREAM FROM ELBOW



Hiwassee is set like a small jewel in the gorge of a mountain tributary. Here the woods are old. A faint spring green and the dogwood is not quite full-blown, while over the distant Smokies hangs the familiar haze of the southern highlands.

The machines work ceaselessly at Douglas, racing to close the lion's paw to this pound next spring rains. For them there are no shifts. Twenty-four hours a day the cranes spit and wheel, the drills pound, and the cut wagons slog over the river bottom.





The lights of Wheeler Dam, near Florence, Ala., twinkle in the dusk, glancing off its four generators, illuminating its 72,000 kw transformer banks. Longest of the all-concrete dams,

it extends more than a mile across the lower Tennessee at a point where the river widens over Muscle Shoals. Red light at upstream approach to the lock is visible on the far side.



Tiles and concrete in cool greens and browns lend beauty to enclosed powerhouse at Chickamauga Dam in Tennessee. Forty feet below, the river is spinning its turbines night and day.



In the control room a switchboard operator records the load as generated at Chickamauga and distributed to points on TVA system. Bench board controls giant switchyard outside.



The tail race at Wheeler rushes from the draft tubes so swiftly that no man could stay afloat in its treacherous current. Its waters have just whirled the turbines of the four big genera-

tors whose shining caps are visible here. Wheeler Dam took three years to build, started making power in 1930. It has two more generators now on order and could make room for four.

TVA SENDS ITS POWER THROUGH SIX STATES

TVA's transmission lines extend for 3,000 miles through six States. It already generates three-quarters as much electricity as America's No. 1 power system, Niagara Hudson. And its generating capacity will increase by 50% this year and another 50% in 1943.

By use of steam power borrowed from private companies to "firm" its own cheaper hydro power, TVA wastes a minimum of its capacity. Electricity must be marketed instantaneously. At any given time, no more can be thrown onto a power system than is being used. Production must vary with the day's varying consumption and since capacity must be adequate to handle maximum loads, much of this capacity has to go unused during off-peak hours. Throughout the U. S. this waste averages 50%, but TVA has reduced it to 20% by using its water-storage system to exchange power with private utilities as far away as Chicago.

During slack hours TVA reduces its own production and borrows surplus private-utility current made from steam. With some of its generators switched off, it stores the water that would otherwise have been wastefully used. When demand revives, it releases the stored water and returns the borrowed power. This barter system allows both the private companies and TVA to raise average output much nearer capacity.



Wheeler's powerful switchyard, located on shore close to the dam, must step up the 18,000-volt current from its generators to the standard long-distance transmission voltage of 154,000.



These levers operate the water gates that control the flow to the turbine buckets (see lower left of opposite page). Both the

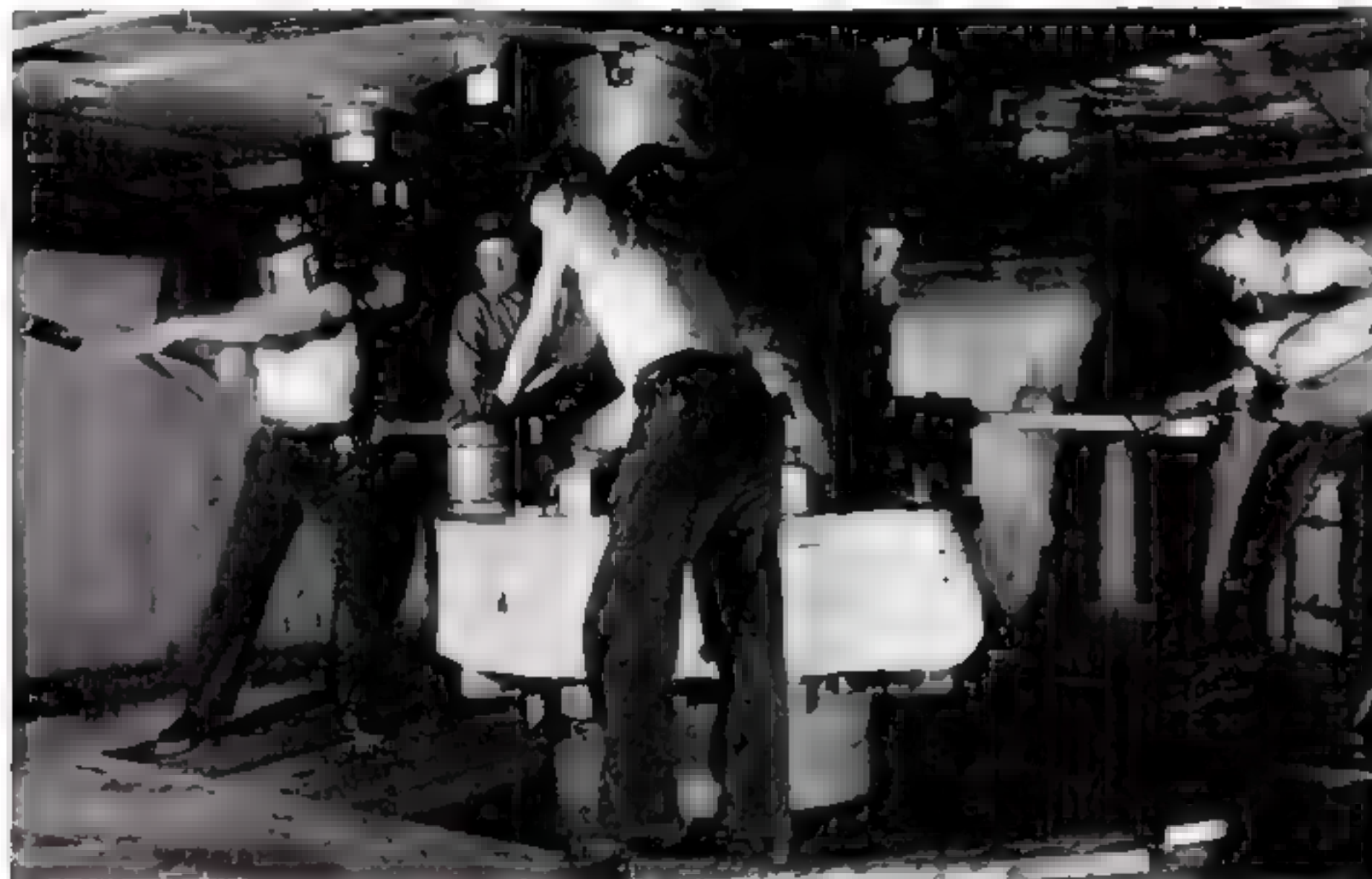
speed of the turbine and the voltage of the current generated are thereby kept constant. The turbine itself is under the arc

at the left of the photograph. For scale, see the cigarette butt that has been crepped on the second lever from the bottom



A generator gets its field poles checked about two weeks before its installation. Afterward it will be fitted into a

steel shell (see right) and attached to the top of the turbine shaft. It is wound with thousands of feet of fine wire.



Coupling joins the generator (above) and turbine (below). Here a crew of six machinists are lifting the turbine $\frac{1}{16}$

of an inch. Since one revolution of the bolts raises it only .008 in., operation will take two days of steady pounding.



Scroll case encircles the turbine like a giant conch shell, diminishing to a pin point so that inflow will be even to

all the blades. Water enters case at the large end, drops through water gates (left) and turbine into the draft tube



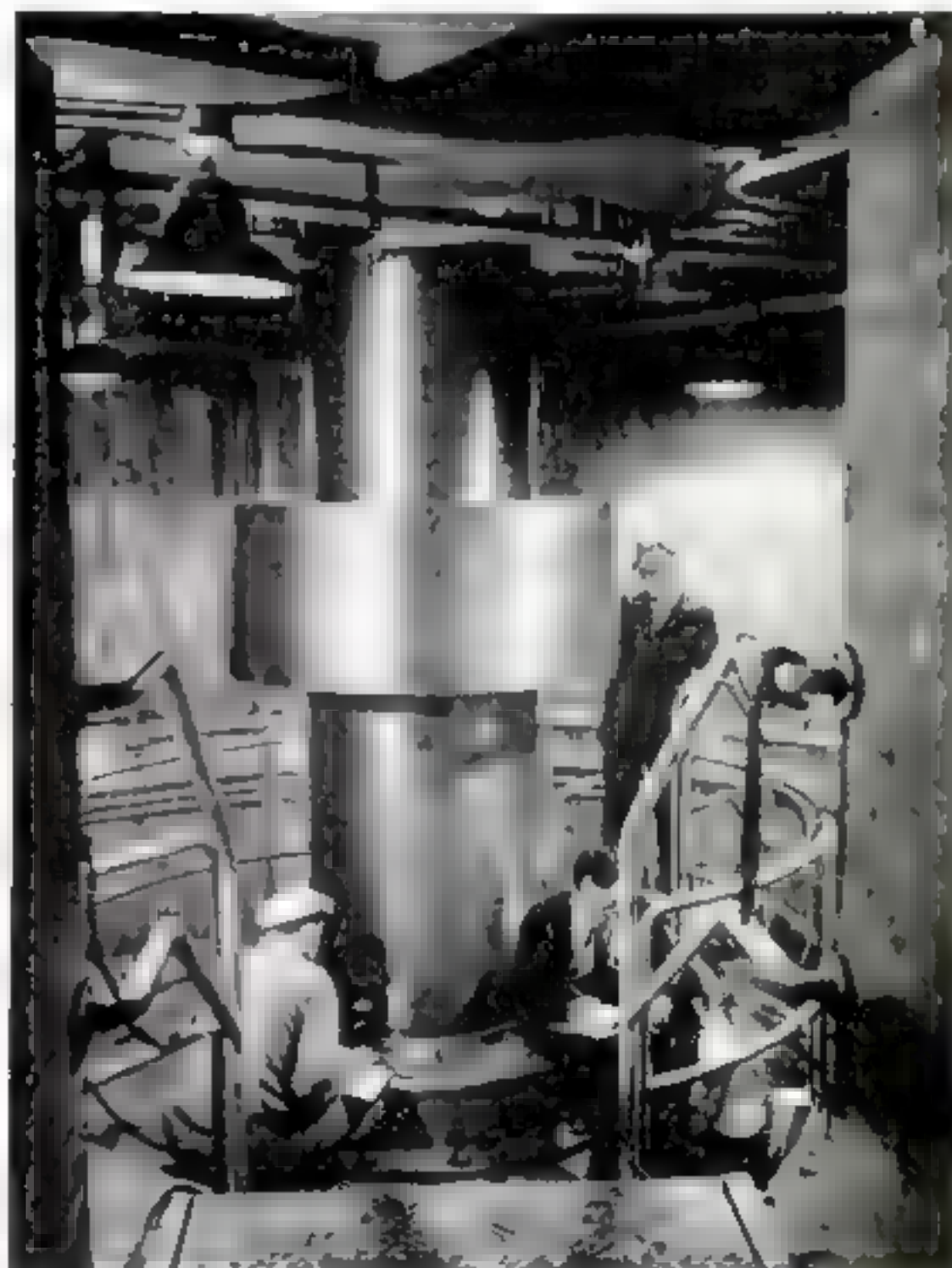
Electrician checks the shaft throw while generator rotates. The bearing on which he is leaning takes full weight of both generator and turbine.

BIG GENERATORS MAKE TVA POWER

In these pictures of generator and turbine parts, the manufacture of electric current appears complicated indeed. Actually, the process of making power from water is simple, although a vast amount of delicate and expensive machinery is needed for production on the scale of TVA.

Pent-up water possesses static energy which is imparted to it by its height. As it falls it loses this energy. If the fall is over a spillway the energy is wasted in friction, but if the fall is directed so as to turn the blades of a turbine, the water transmits its energy to a machine. The turbine turns a rotor made up of electromagnets inside a stationary casing, or stator. As the magnetic field of the rotor cuts across the copper wires of the stator, an electric current is induced and may be conducted away to a power transmission system. Formerly this current was taken off the whirling rotor by a brush, but now it has been found more efficient to take it off the motionless stator on fixed wires.

This, briefly, is how electricity is made. The pictures on these two pages show this simple principle activated in massive steel.



Completed coupling looks like this (compare with center left). The men are testing the shaft speed which must be constant to avoid "freezing."

TVA (continued)

FT. LOUDOUN DAM RISES AT TENNESSEE'S HEAD

The picture at right shows the concrete being poured on the partly finished spillways of Fort Loudoun, newest of the main river dams and located at the head of the Tennessee. Layer by layer the mighty structure rises, taking on shape and meaning where before there was only the formless mud. To the layman this is the most interesting stage of construction.

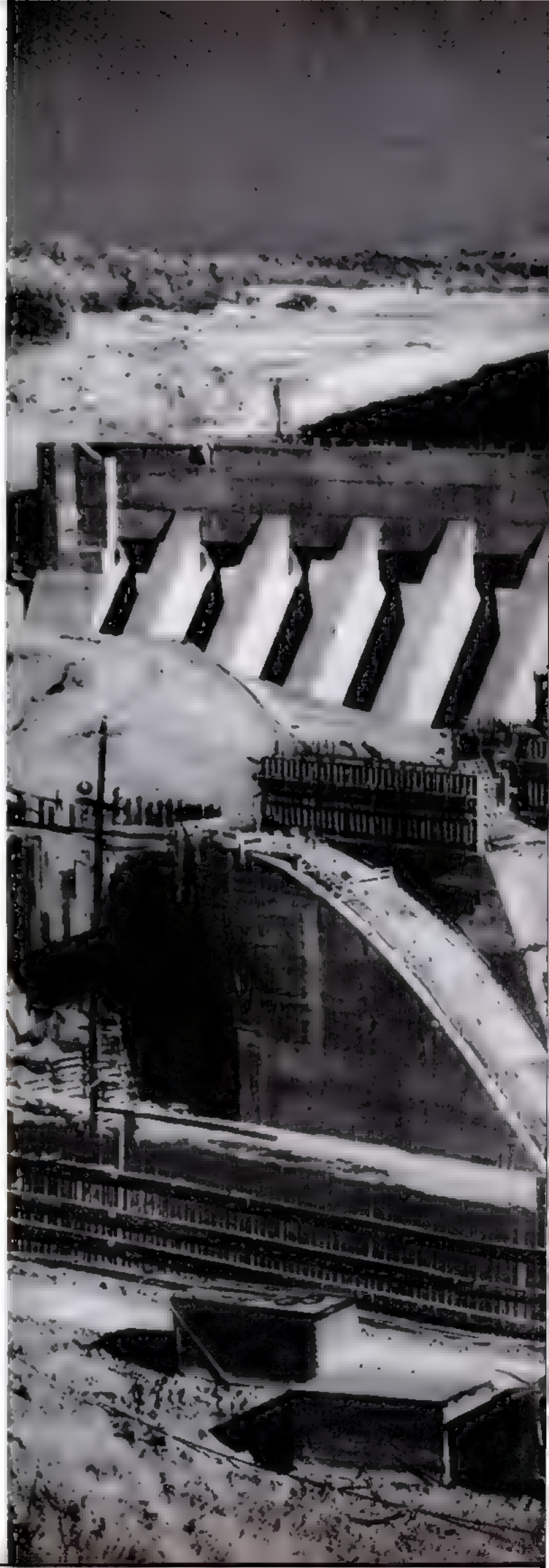
The concrete buckets are handled by the 40-ton boom crane which here is lifting part of a spillway form. The forms already in place on the top of each spillway section encase the hardening concrete that was poured the previous day. A mixture of sand, gravel and cement, it is heavily reinforced with steel throughout.

At lower right, half hiding the crane cab, can be seen the overlapping circles of a steel-piling cofferdam filled with gravel. The river comes down from background, swings around off the left of the picture and circles around to lap the cofferdam off to the right. When this section of the spillway is finished, the cofferdam will be removed and the river permitted to flow through the spillway gates. Then a new cofferdam will be thrown across the present channel and the dam extended to the opposite river bank.

Below, the reservoir behind Cherokee Dam on the Holston River is filling slowly. The dam was closed last December but it will take a full nine months for the water to rise to the cleared timberline visible on the far bank. When all the storage dams now abuilding are finished and their reservoirs filled, TVA will have enough water to supply power-hungry America with one-half as much electricity as was produced by the entire U. S. during World War I.



Cherokee Lake laps the marker at 1,040 ft. above sea level, will be filled when it has risen another 35 ft. Then it will back up 59 miles and hold nearly 2,000,000 acre-feet of water.







LIFE PRESENTS

"HAVE YOU HEARD?"

THE STORY OF WARTIME RUMORS

Suggested bySTEPHEN EARLY

Directed byALFRED HITCHCOCK

Photographed byELIOT ELISOFFON

From Stephen Early, secretary to President Roosevelt, recently came the suggestion that LIFE tell a picture story of wartime rumors and the damage they are liable to do. In accordance with this request, the Editors asked Alfred Hitchcock, famed Hollywood movie director, to produce such a story, with LIFE Photographer Eliot Elisoffon as his camera man. When Mr. Hitchcock graciously agreed, a script was prepared, the director picked his characters from the ranks of movie professionals and LIFE's Los Angeles staff, and shooting commenced in Hollywood.

Have You Heard?, which LIFE presents on the following six pages, is the result of their cooperation in photo-dramatization. A simple sexless story, it shows how patriotic but talkative Americans pass along information—true or false, until finally deadly damage is done to their country's war effort. One false rumor is silenced by a man of goodwill who later is unwittingly responsible for starting a true rumor which ends in a great catastrophe. Moral: Keep your mouth shut.



A church congregation in the city of Zenith fears its minister offer a special prayer for "our boys in the armed services who even now may be sailing for such far places as Asia."



2 Bussing home from Sunday services, the blonde girl in the funny hat tells her friend: "I'm sure now. Those Zenith soldiers are sailing for Alaska. He didn't ask us to pray last Sunday, so they must be leaving this week." In bus seat behind them, a musician leans forward to overhear their conversation.



3 At Zenith's Steam Palace, the bus-riding violinist confides to a local hardware salesman. "Have you heard? Troopships are sailing to Alaska this week. They say thousands of boys are going up there. Preachers are already praying for them around the city."



4 At a Zenith restaurant that Sunday evening the hardware salesman entertains some friends. "Have you heard?" he asks. "No? Well, we are sending thousands of boys up to Alaska. The troopship sails on Wednesday or Thursday, I understand, and they'll be conveyed by six destroyers on their trip up there."



5 One of the dinner guests, a gossipation neighbor with a leg for a day, chats with his customers next morning. "Have you heard about the large convoy of troopships going to Alaska? Friend of mine who really knows says they're leaving Wednesday night."



6 At the dentist's, pretty dinner companion of the hardware salesman passes on the secret news. "They're sailing Thursday afternoon. It means a new front. The man who told me knows one of the officers."



7 "There's going to be a blackout so that no one will know when the troopships go out Friday midnight for Alaska," confides another young woman, who was at the salesman's dinner, to her roommate.



8 "I never listen to rumors," replies a Zenith haberdasher to customer who repeats troopship story. "You shouldn't spread such talk. Nothing but rumors!"

BUT
CONTINUED ON NEXT PAGE



9

A dozen tropical shirts are ordered by a young Army lieutenant at the store of the Zonta haberdasher the next evening, just before closing time. But the sleeves are too long and

will have to be altered. The lieutenant says, "If you can't get them done and delivered to my hotel by 9 o'clock Friday night, never mind the order. I won't be able to pay for them

if I've gone when they're delivered. Orders, is it?" The haberdasher says he understands. But he reminds himself, "Tropical shirts. This young fellow was in the middle of the war."



10

An hour late for dinner, the haberdasher arrives home to find his wife and children already finishing their meal. He explains his tardiness, "Last customer held me up at the store. A lieutenant. Couldn't be helped. He took a dozen tropical shirts. He had to have the sleeves altered. I guess he's been ordered to Australia. I've got to get his order done by 9 o'clock Friday

night. I suppose he's sailing on a troopship Friday midnight and that's why he's in such a rush." The haberdasher's son, Christopher, a little pitcher with big ears, takes in every word.



Playing with "the gang" down the block the next afternoon, Christopher seeks to impress his older friends: "Gee, my dad's making shirts for almost the whole Army. He sold lots to soldiers going to Australia to fight. He's working now so the troopships can sail Friday midnight."



Bursting with excitement, Christopher's older pal arrives home to find his mother's afternoon bridge club in session. "You know what, Mom? Christopher's father's making shirts for a whole boatload of soldiers. He says they're all sailing for Australia at midnight next Friday."



Next morning, the plumpish member of the bridge club makes her regular weekly visit to one of Zenith's beauty parlors. An ardent gossip, she can hardly wait to get out of the drier and

tell her friend and the manicurist the "news" she heard the day before. "My dear, have you heard about the troopships sailing for Australia? Yes, my dear, they're going out at mid-

night Friday—lots of them. I'll bet General MacArthur'll be glad to hear about this. Don't you think it would be thrilling to go down to the docks Friday night and watch them leave!"



At the Friendship Cafe the manicurist tells her boy friend "A customer told me today that lots of our troopships are sailing to Australia on Friday at midnight." The shady-looking man standing next to them listens attentively. (Note bartender played by Alfred Hitchcock, center).



The mysterious man, whose ears were even more attentive than the manicurist's boy friend, leaves the cafe, remembering these important words: "Troopships... Australia... Friday at midnight." His business is to check all rumors, not pass them along for social conversation.



A midnight rendezvous is held by the mysterious man, an Axis agent, with a U-boat officer and seaman who have paddled ashore in a small rubber boat. In a dark cove, the secret military information the haberdasher so innocently revealed to his family at last reaches the enemy.



"How does the enemy find out about these ships?" exclaims the irate Zenith haberdasher, who habitually rejects all rumors, as his morning paper tells him what happened to the troopship aboard which was the young lieutenant who bought the dozen tropical shirts (see opposite page).



THE BATTLE FOR EGYPT

IN A "TACTICIAN'S AND QUARTERMASTER'S HELL," ROMMEL'S DESERT WAR SYMPHONY RISES TO A CLIMAX

by CLARE BOOTHE

The little pocket guidebooks that the British Tommies buy on leave in Egypt tell them that Cairo was founded by Gôhar, the Fatimite caliph's general who conquered Egypt in 969 A.D., and that the name he then gave the city in the shadow of the sphinx, El-Kâhira (or Cairo), means "the Victorious." Almost a thousand years later a second Gôhar, called Rommel, storming the very gates of Alexandria, threatens to give a new and terrible meaning to that name. And while the insensible pyramids, as they have for 40 centuries, look down on armies of the world contending for the mastery of Egypt, the Riddle of the Sphinx is once more propounded. That riddle is a military riddle in three words: iron, water and sand. And it will be solved by Britain's Army of the Nile or Germany's Afrika Korps, for good or ill, in our time.

In Egypt, the fighting men on leave from Libya speak of the desert as though the desert were a monstrous, live thing. Its vast, blind, dry, demonic face, pocked with scabrous holes, pimpled with jagged rocks, wrinkled with barren wadies, bearded like the jowls of a lunatic with dirty tufts of scrub or camels'-thorn, or here and there smooth and glistening as the cheekbones of a skull, seems to them (on leave, anyway) more real and terrible than the iron snouts of tanks. To them the desert is animated by a great, incomprehensible, unconquerable, inhuman will of its own—the will to devour, destroy, obliterate everything that lives or moves. It is gluttonous alike of men and machines, insatiable alike of bone and iron, blood and oil.

Winter and summer, its punishing daytime breath, fiery as the blasts from the brazen throat of a Moloch, shrivels the flesh; summer and winter, its shuddering nighttime breath, cold as the wind from the bowels of a tomb on the moon, chills the marrow in bones. The tired, thirsty soldier cannot throw himself down and suckle at its breast, for its breast is dry and withered as an old crone's. A vast ossuary of the fallen, it fights back against the living with the very dust of the slain, hurling its fast-driven clouds of thick, hot, fine red dust against the contending armies, blotting out man from man, machine from machine. When the Khamsin, the 50 days of wild hot south winds, comes in March and April across the Cyrenaican hump, extinguishing the merciless sun, all planes are grounded, tanks and trucks are stalled as engines are clogged and radiators boil over. And soldiers lie gasping in their slit trenches or little pup tents, struggling against the desert fever that rises in their blood as their lungs work madly to filter the smothering dust. Their

Twice this year LIFE's War Correspondent Clare Boothe visited Egypt and the desert battleground of the Middle East. The first visit was in February and March, when General Rommel was sitting between Tmmi and Mekdi. The second visit was in April just before Rommel broke out of his "trap" to start the eastward drive which by last week had placed the whole British Army of Egypt in dire peril. In this article Miss Boothe analyzes the seesaw fighting of the last two years and draws some lessons of desert war.

salty sweat cakes the dust into mud on their bodies. Their eyes smart and run, until at last gummy tears seal their eyes in desert blindness. And desert dysentery, desert diet deficiencies, strange desert sores that spread and grow from the tiniest scratch on the skin, the weird tricks of forgetfulness

and inertia that the desert plays on the minds of men who have camped there too long, take the desert's daily toll.

But, however much we may wish to offer the desert itself as an alibi for what has happened to "our side" there, this fact remains: the desert plays no favorites among the sons of Mars. The desert is just as hot and dusty for the Germans as for the British. When the sun turns tanks into little kitchens of hell, they blister British and Axis flesh at precisely the same temperature. If the sand sticking to oily vehicles, obliterating all marks, makes it impossible to recognize the Nazi foe until he is upon you, the same is true of British vehicles moving on Germans.

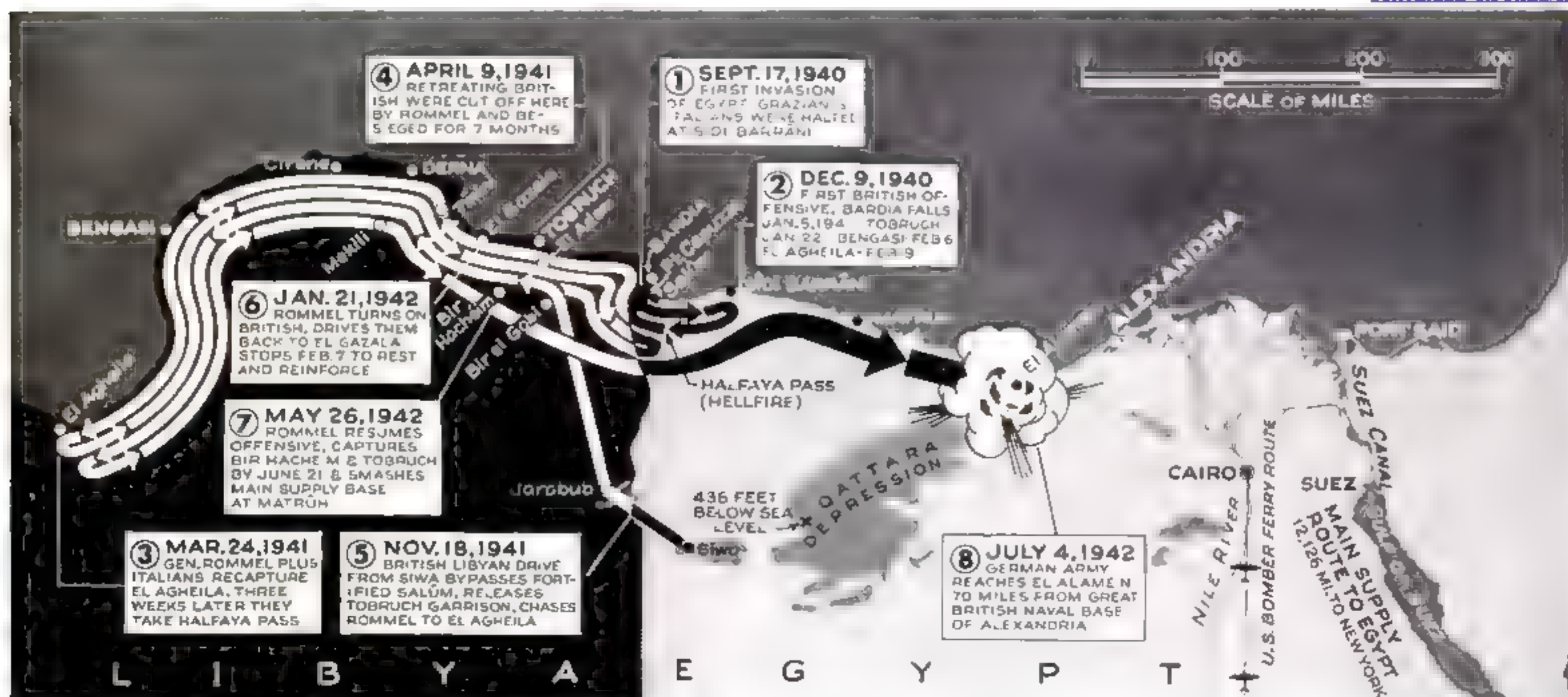
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When the British captured German General von Ravenstein at Bir el-Hamed, near Tobruch on Nov. 29, 1941, this stiff-necked Prussian aristocrat obligingly supplied them with a pithy martial epigram for their Libyan War. Said Ravenstein: "The desert is a tactician's paradise—but a quartermaster's hell."

By "tactician's paradise," he meant that the vast flat expanse of Libyan desert, free as an ocean of cities and civilians (which all soldiers hate finding in their path), free of all natural barriers except occasional escarpments, salt swamps and wadies, presents a clean surface for simon-pure, almost abstract military maneuvers in which only men and armaments, and the skill with which they are used in the destruction of enemy forces, enter the military equation. By "quartermaster's hell," Ravenstein meant that the problem of deploying men and equipment successfully on this "Devil's Sea" is incredibly complicated and cruelly conditioned by the prodigious difficulty of bringing up supplies through it for the fighting units.

Unlike warships, which are largely long-range, self-contained and self-sustained units, tanks in the desert, like troops in the desert, can travel forward no faster than oil and water, ammunition and spare parts can be brought up behind them in an *unbroken* line. In the desert, shortages of spare parts develop, mechanical difficulties multiply, in an evil mathematical progression, according to distance advanced. The farther lorries and tanks roll, the greater

CONTINUED ON PAGE 28



The tide of battle swings back and forth between Egypt and Bengasi, beginning feebly with Graziani's abortive drive eastward in September 1940, and ending appallingly with Rommel's overwhelming drive on the Nile last week. Though the British did not know it, the concept of tank

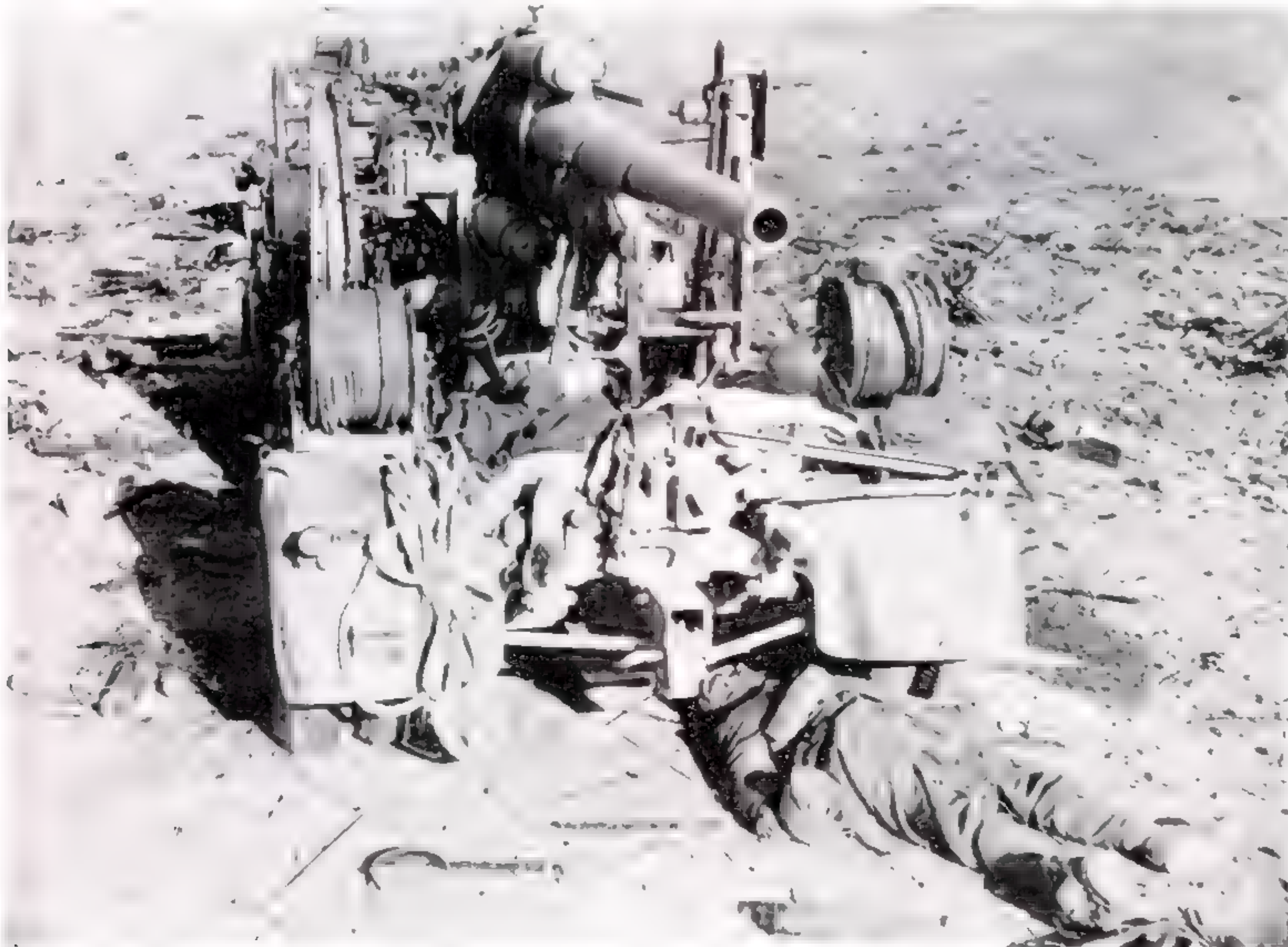
warfare was slowly changing all the while, from one of heavy armored cavalry to one of sheer brutal firepower. The armor and speed of tanks was becoming less important as high-velocity, sharp-shooting antitank guns (see opposite page) became masters of the field. The Germans had the guns.



British commander is Lieutenant General Sir Claude Auchinleck, who last week fired his field commander, took charge himself of the Battle for Egypt. Accustomed to headquarters life on a Nile houseboat, he told his troops, "The battle is not over yet. The enemy must be destroyed."



German commander is red-faced Field Marshal Erwin Rommel, who screams out his orders over the wireless in the front line of battle, although strongly guarded against capture. He is called General of the Open Road and "Der Draufgänger" (Daredevil), carries a Leica camera in action.



The victor in the Battle for Egypt was the German 88-mm (3½-in.) all-purpose gun. It can fire 30 shells a minute at a velocity of 2,800 ft. a second as against best Allied guns' velocity of only 2,000 ft. a second. It can be used effectively against tanks, planes or infantry positions. On this kind of

desert, it goes at a speed of 30 miles an hour and can start firing as soon as its tractor stops. Most such guns have an armor shield to protect the gun crew. The best the British could put up against this gun in Africa was their 25-pounder, firing ten shells a minute and lacking a mobile carriage.

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Best tank in Egypt is serviceable Germans' M-4, about four years old, which mounts much the same 75-mm. gun as American General Grant (below) but has lower silhouette.

THE BATTLE FOR EGYPT (continued)

their oil and water problems become. In no detail can a desert army "subsist on the land." It must always and ever live on itself, cannibalistically, and the farther and faster the army travels, the greater its cannibalism becomes. By preference it devours the enemy and his captured supplies, but otherwise, by necessity, it devours itself as it rolls along. The physical distance between water holes, ammunition, spare parts and oil dumps in the desert has a death grip on all strategy. Every maneuver of tanks or trucks or camps is conditioned by its water and oil supply on hand, or its distance from safe and plentiful dumps of them. From his rear bases, seacoasts and ports, strongly or weakly held, the bedeviled quartermaster must stretch his subsidiary supply lines, his innumerable dumps, which must all be camouflaged, land-mined and garrisoned, across the desert like a rubber band, seeking always to anchor it safely at the next captured port. The longer and faster the quartermaster stretches it, the thinner and tauter and more vulnerable it grows. Cut the band anywhere and the whole thing is sure to snap back, or apart.

From the day Ravenstein's phrase was uttered, it was everywhere and constantly quoted by British military men in Egypt as a total explanation for everything that went right—or wrong—with them in the desert. Nevertheless, Americans watching from afar for two grim years the long battle between the Axis and British forces that has snapped back and forth, back and forth across the Cyrenaican hump, concluded that however pithy or illuminating Ravenstein's remark might seem to the military mind, it shed little light on actual operations in the desert. For the British and the Axis seemed perversely bent on taking turns in making the least of the desert's tactical paradise and the most of the desert's quartermaster's hell. But today Rommel is rolling down to Cairo, ready to assault the very gates of Suez, and now it is abundantly plain even to laymen that the Axis objective in the Libyan campaign was offensive—to destroy the Imperial 8th Army in the desert in order to invest Egypt, while the British objective was defensive—to hold the Axis forces at bay in order to protect Egypt.

The long battle for Libya can best be understood as one continuous and constant desert land operation, symphonic in character. It began with an Italian prelude offensive (September 1940) that was followed, fugue-like, by five great British-German counteroffensives, while contrapuntal naval and air operations took place in the Medi-

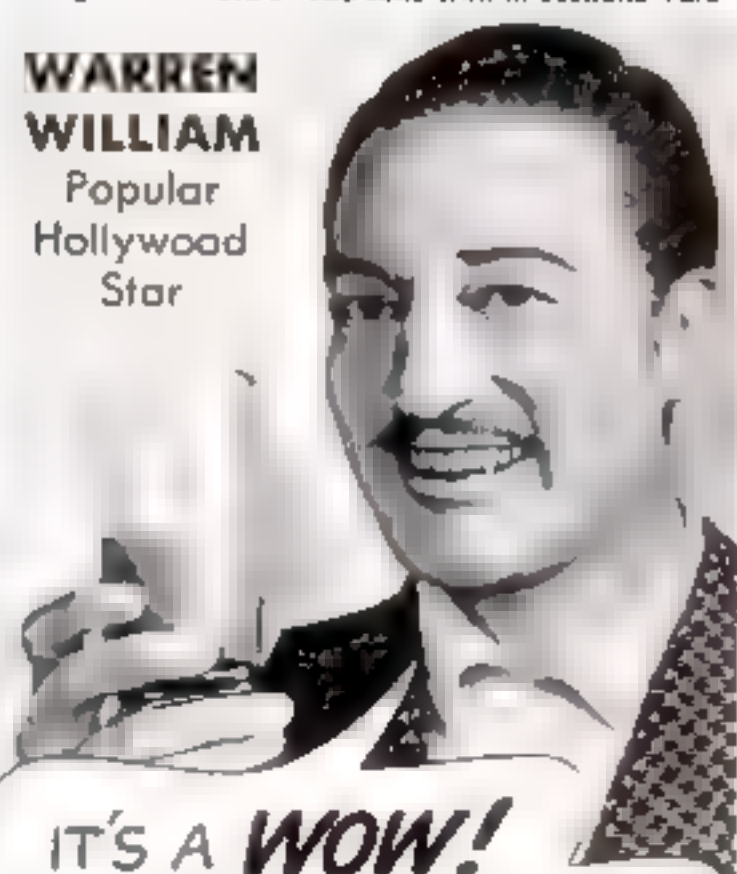
CONTINUED ON PAGE 71



General Grant was name given by British to U. S. 28-ton tank they used in Egypt. They complained of its riveted armor, limited field of fire, high, vulnerable silhouette.

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General Wavell beat Italians in Libya in February 1941, then lost to the Germans



General Wilson was roundly beaten in April 1941, was transferred to Palestine

THE BATTLE FOR EGYPT (continued)

terranean as each side strove to cut the other's supply lines from the sea and sink the other's convoys

The Battle of Libya really began when Marshal Rodolfo Graziani, with an Italian army of 250,000 men and a mess of outmoded Italian tanks and planes, crossed the barbed-wire entanglement at Salûm which for years has separated the Libyan border from Egypt. Five days later his armored units, rolling 55 miles into Egypt, reached Sidi Barrâni—and stopped. Graziani could not proceed without air and naval reinforcements from Rome. But such is the tempo and temperament of Fascist Rome that few were forthcoming. The Libyan offensive bogged down in a British-controlled bottleneck of sand between Sidi Barrâni and the swampy Qattara depression.

The German General Staff, brooding on Graziani's hopelessly stalled campaign, clearly saw that the configuration of the terrain of the Cyrenaican hump would determine the character of all future campaigns there. Cyrenaica's coast, well-covered with desert scrub or camel's-thorn, is suitable for mechanized traction and sparsely "holed" with water to a depth of 30 miles from the seacoast, where the coastal rainfall stops. Contending armies must cling as immutably to this 30-mile-wide coastal strip of sparse vegetation as a man must cling to a narrow ledge over a bottomless abyss, for beyond it the picture postcard desert begins. Those trackless and sinister wastes of "pure desert sand" have gobbled up all armies in history that have tried them on the march.

"The Broom and the Dustpan"

Meanwhile, in Cairo, General Sir Archibald Wavell, as the British went is, bided his time. He was busy enough mopping up the Italians in Ethiopia—though he found time, incidentally, to finish his fine and stirring book on General Allenby, British hero of World War I.

Then on Dec. 9, 1940 Wavell's 8th Army under General Sir Henry Maitland "Jumbo" Wilson launched a "surprise" counteroffensive. It was the first and only time the British capitalized on surprise in the desert. With strong assistance from sea and air, the 8th Army plucked off Graziani's coast-huggers at Sidi Barrâni, Salûm, Tobruch, Bengasi. Wilson also used his superior tanks in attacks he called "the Broom and the Dustpan." The Broom (fast tanks) plunged as far ahead as practicable, destroying enemy outposts and mobile forces. It was followed as rapidly as possible by the Dustpan (slower tanks which protected the foot troops). Into the Dustpan was swept all the Broom had destroyed.

On Feb. 9, 1941 General Wilson reached the Axis strong point El Agheila, "the master of the Libyan desert." In these two months the British had taken 100,000 prisoners at the cost of 2,966 casualties. (Quipped a British wit, "Were ever so many defeated by so few?") It was a splendid and heartening victory, the first of the war for British land forces and British generalship.

After this dash across the Cyrenaican coastal strip, the British paused to take breath—and, rather casually, to consolidate their newly taken positions. They also paused because to pursue the remnants of Graziani's army farther would have overextended their lines of communication and exposed them to what later turned out to be Mussolini's only secret weapon—the German Air Force. Furthermore, a substantial part of Wavell's Nile Army had been ordered by Churchill to Greece to help stem there the unstemable Nazi hordes.

Late in March a certain roughneck rumped German, a Major General Erwin Rommel, after gathering German forces behind El Agheila, whipped out of there and made a deep end run on the



General Cunningham won one round and lost one, went home to England for a rest.



General Ritchie is the latest officer and gentleman beaten by Rommel and desert.

dangling British flank with his Afrika Korps Mark III and Mark IV tanks, his old Heinkel bombers covered by Stuka dive bombers, and new Messerschmitts. In a few days he had pinned his coastal defense and his desert flank forward on Bengasi.

By mid-April Rommel's bold counter-counteroffensive, meeting weak British resistance, had swiftly carried the Axis back across "the wire" to Salûm, capturing enroute two-thirds of all the British mechanized transport in the desert. General Wilson's tank-Broom, infantry-Dustpan tactic, used so successfully against the Italians, was turned even more brilliantly and daringly against the British. The ground that it had taken the British two months to wrest from the Italians, Rommel, protected by an umbrella of bombers and always in the thick of the tank battles as he harshly bellowed his guttural orders on a microphone from an armored car, had covered in little more than two weeks.

Back into this phase of the battle, on the wings of surprise, Rommel had brought more powerful tanks, faster planes and more mobile artillery—in short, equipment superior in quality though not in quantity to that of the British. Rommel had learned the great lessons of the desert (perhaps of all modern warfare) which he never, unhappily, managed quite to teach the British: *Hit first, move fastest, fire hardest, keep contact, and keep going.*

Rommel camped in Salûm for the summer and autumn of 1941. Hitler upped him to a Colonel General. Presumably what brought Rommel's drive to a dead stop was not so much British-held Tobruch behind him as supply difficulties occasioned by Germany's projected attack on Russia, which materialized later that summer. As the Balkan-Greek campaign had weakened Wavell in the desert, so the Russian campaign drained Rommel's supplies now.

By Dec. 1, 1941 the British refurbished with new American M-3 light tanks, 75-mm. guns, Beaufighter, Spitfire, Tomahawk and Maryland planes, fresh British troops and a new field general, Sir Alan Gordon Cunningham, under a handsome 57-year-old Scot, Lieutenant General Sir Claude Auchinleck in Cairo, had launched their counter-counter-counteroffensive. Five days later the "bomb-happy" garrison at Tobruch was relieved and it looked momentarily as though the Axis would again be chased back to the Axis strong point, El Agheila. But something went wrong.

Keeping his battle fluid and deploying always as deep into the desert as he dared, to the tank-Broom and infantry-Dustpan tactic Rommel had added a filip of his own—a sort of spider-and-fly tactic. His tanks pursued the enemy tanks in order to engage them, then retreated in order to invite pursuit. Pursuit attained in his direction, his tanks melted suddenly apart and the British armored units met a blistering barrage of 88-mm. high-velocity anti-aircraft guns and motorized 75's point-blank.

To stem the sudden surprising disorganized retreat this maneuver occasioned, General Auchinleck swapped bewildered Cunningham for Lieutenant General Neil Methuen Ritchie. Things definitely picked up for the superior numbers of the British. By Jan. 12, 1942 General Ritchie was besieging plug-ugly and daring Rommel at Agedabia. And by February he had chased him back to El Agheila, capturing vast stores of equipment and undefended dumps enroute. The Axis rubber band across Libya had snapped back for the second time.

Our side cheered, wildly and happily. But hardly had the cheers died away when "defeated Rommel" leaped out of El Agheila for the counter-counter-counter-counteroffensive, dove deep again into the desert for an end run on Ritchie's dangling desert flank, scrambled again across the Cyrenaican hump and up to the Mediterranean coast and recaptured Bengasi—for the second time. Rommel had brought up increased numbers of tanks undeniably better in fire-

CONTINUED ON NEXT PAGE













SORRY Lady, but you'll have to walk just like the rest of us when your car gives out.

So here's our suggestion: Take your car to a Sinclair Dealer for regular servicing. Sinclair Dealers offer a special Sinclair-ize service that will prolong the life of your car.

Even as American railroads, airlines and the U.S. Army use Sinclair lubricants to save wear on vital transportation equipment, so, too, can you rely on Sinclair lubricants to help keep your car running.

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Is it true what they say about **FALSE TEETH?** (OR) HOW BUSINESS GIRLS GET RAISES

Kate McCarthy, sad to state,
Was about to "get the gate".

Why? Her **FALSE TEETH** were a "sight",
Scrub and rub them as she might;

"Denture Breath" also assailed her;
Poise and pleasant manner failed her.



Said her dentist: "Polident
Spare you this embarrassment.

"In its no-brush, no scrub action,
You'll find instant satisfaction."



Kate tried **POLIDENT**... and, lo!
TEETH and **SMILE** now gleam and glow.

In return, what did she get?
Fired? Oh, no! A *raise*? You bet!

MORAL: If your plate's distressin',
Profit by this object lesson!



Cleans, Polishes
Without Brushing
Do this every day. Add
a little **POLIDENT** Pow-
der to half a glass of
water. Stir. Put in plate
or bridge 10 to 15 min-
utes. Rinse, and it's
ready to use.



CLEAN PLATES, BRIDGES WITH
POLIDENT
ALL DRUG STORES, ONLY 30¢

To help you follow and
understand the course
of war in the vital

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Harrison. For this series Mr. Harrison has
selected the orthographic projection, most near-
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Atlantic Arena shows you the Atlantic
half of the world, with the countries col-
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fronts—and the three communication bot-
tlenecks of the Atlantic Arena.

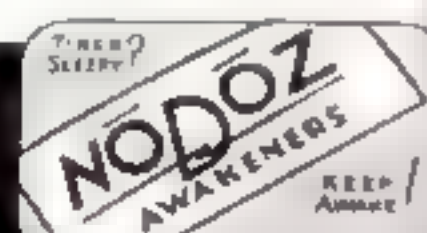
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Thousands of Americans
behind desks, driving
cars, on production lines,
use **NoDoz** Awakeners
to keep awake, alert and
more efficient. When the
going gets tough and you
have a job to do—don't
take a chance... TAKE A
NODOZ AWAKENER!



Over
30,000,000
NoDoz
Awakeners
have been used
since 1935!

Convenient, easy-to-take tablets!
Keep a package handy
At your druggist... 10¢ and 25¢

BRUSH AWAY **GRAY HAIR** ...and look **10 YEARS YOUNGER**



Now, at home, you can do it—and even without a
brush! Apply to hair a dab of **Brownstone**... it
does it—or your money back. Used for 30 years by thou-
sands of women (men, too)—**Brownstone** is guaranteed
harmless. No skin test needed, active coloring agent is
purely vegetable. Cannot affect waving of hair. Lasting—
does not wash out. Just brush or comb it in. One applica-
tion imparts desired color. Simply retouch as new gray
appears. Easy to prove by tinting a test lock of your hair.
Get at drug or toilet counters on a money-back guarantee.
For a year you must claim. Get **Brownstone** today.



Rommel's aide, Major General von Ravenstein (left), captured by British near Rezegh,
agreed with them that Rommel is a parvenu who is a disgrace to German officer corps.

THE BATTLE FOR EGYPT (continued)

power than the British Cruisers, *Waltzing Matildas*, *Valentines* and
Honeys. "They could fire at 1,500 yards. We had to come in at 800 to
wham them," reported the British warriors in the desert. And before
Tmimi and *Mekili* both Rommel and Ritchie squatted, as the hot
Libyan winter wore on into an even hotter spring. A long desert lull
followed, punctuated only by commando raids, bombing raids,
armored-patrol skirmishes, scout-car and aerial reconnaissance. Be-
hind this facade of desert inertia both sides were still using the desert
as a proving ground for new equipment. (The Germans used flame
throwers at the siege of Tobruk, abandoned them as the heat caused
them to explode in the hands of the users.)

But in this long lull the average British soldier in the desert took
stock of the reasons for Rommel's past triumphs. To be sure, his
slippery, brilliant tactics, his greased-lightning thrusts, his spider-
and-fly technique, his strategy of luring the British into the desert
away from the protection of their own coastal guns in order to chew
their armored units up wholesale or piecemeal, were high tactical
and strategic matters not for the consideration of the British soldier
but for "the Auk" and his generals to ponder at staff meetings of
the Middle East Command in Cairo.

It was also noted often in the desert that while Rommel was cer-
tainly air-minded, his air force was ground-minded. His tanks never
advanced without air support but Rommel commanded that support
unequivocally. The play was always triple: from the ground, to
the air, to the ground again. The R.A.F. and the Army of the Nile
were still conducting their operations in the Libyan theater on the
committee system, on a "now, sir, let's see this thing eye to eye"
basis.

This vast question of strategy and tactics was not the average
soldier's concern. But when it came to the question of the quarter-
master's hell, he was thoroughly equipped to make certain unhappy
observations of his own. In March, April and May in the desert, he
told you quite frankly that in every campaign almost all German
equipment, German supply services and German communications
were better than those of the British. German panzer officers were
better and longer trained for their job, German mechanics and tech-
nicians were superb. Even the German foot soldier was better
equipped to face the desert than the British.

Every German soldier had a fine green bivouac hut complete with
a floor and extra roofing. British soldiers slept under pup tents on
sacking on the ground. The German carried a rich pack that in-
cluded comforting little appliances and gadgets of all kinds—camp
stove, eyedrops, body powder, mouthwash, electric torch, vacuum
bottle. At his messes he was rationed beer. He drank real coffee and
if he were in a panzer camp he ate fresh lemons, oranges, potatoes
and onions. Mineral water seemed to be issued regularly. The boiled,
chlorinated, brackish water and salty tea the British lived on were
not good enough for the son of Wotan. He had, instead of hard
tack, his sour, black German bread and soft biscuits. The surgical
instruments his doctors used were plentiful—apparently mass pro-
duced—and of the most modern kind. He traveled with dentists as
well as doctors. This, above all, seemed to get the snaggle-toothed
cockney soldier down.

His motorized workshops were extraordinarily well-stocked with
precision instruments of all kinds, prodigious quantities of spare
parts, armor-plating, extra radio equipment, electrical wiring and
so on. Yet he wasted nothing. Every bolt, nut, bit of tin, armor



Rommel's No. 2, General Ludwig Crueswell (right), captured by the British, asked to see Shephard's Hotel in Cairo where, he said, Rommel had his suite all picked out.

plate he could garner in the desert as he advanced was saved to be used again or melted down. His salvage, or "recovery," system was carefully organized. He had great motor lorries equipped with winches to load on damaged trucks, tanks, vehicles for repair at the rear. He had thousands upon thousands of special carriers for benzine, paraffin and his precious oil and water. The carrier was a solid, non-leakable, refillable metal-alloy container 20 in. high, 14 in. wide, 6 in. thick, which held five gallons. The little British non-refillable gasoline tin was by comparison a fragile and leaky affair. Desert supply experts had worked out by May the staggering fact that the British lost in leakage one-third of the gasoline they transported to the front.

German tanks, to save traction and wear, were moved up to the front on enormous rubber-tired, low-slung trailers. As they reached the battlefield they rolled off the trailers in perfect fighting trim. Panzer mechanics with traveling tankshops worked day and night putting their damaged behemoths back into repair. The great German genius for military organization was nowhere so clear as here in the desert in this "abstract" war.

Germans kept ahead in speed and firepower

To be sure, German and Italian factories, whence came the spare parts, planes, etc. the Germans needed, were one or two days flying time from their desert theater of operations. Hampered always by the British Navy on the sea, nevertheless they could and did use great Junkers troop and transport planes freely in the course of battle. By air the Germans could never get as much as they wanted but what they really needed they could get quickly. This was an enormous advantage, when you considered the weeks, even months, it took to ship supplies needed by the Army of the Nile out of England and America. Above all, ever and always, German arms on land and in the air kept a step ahead of the British in speed and firepower. It was impossible for the British soldier not to conclude that only inferiority in numbers and quantity had kept Rommel's better-equipped, better-led, air-ground-sea unified forces out of Cairo during the long year before. Would Rommel close this gap in numbers and quantity? Or would the British close it in leadership and mechanical design?

In April in the desert the average British soldier was not altogether certain that "his side" would develop leadership and firepower. But he was sure it would retain superiority in quantity. He was sure that America's entry into the war and American mechanical production were slowly settling Rommel's bully beef for all time. So in May the British desert soldier spoke of the happy rumors coming out of Cairo—of the new medium General Grants arriving in numbers there, of new antitank guns equal to anything the Germans had, of American heavy bombers and pursuit planes. And from Cairo, the British were slowly shoving forth a rail line along the Egyptian coastal strip so that the quartermaster's hell might become, at worst, a mere purgatory.

He spoke jokingly now of his many humiliating desert "flaps." A flap in the desert is started when a supply train of "thin-skinned" vehicles—unarmored ammunition, oil, water trucks or repair units—sees in the distance a free-wheeling armored enemy unit. The defenseless thin-skinned vehicles whirl around, make off in any direction away from the enemy that may seem momentarily wise: they "flap off." One flapping group may encounter another thin-skinned vehicle group, and the second unit flaps along too. If a third group is encountered, the flap grows in size—and panic being communic-

CONTINUED ON NEXT PAGE

RELAX IN THE SUN OVER WEEK-ENDS... BUT

*Guard against
"Monday Eyes!"*



Week-end relaxation can make you feel better, work better... but *not* if you turn up with tired, sunburned "Monday Eyes"!

Whenever you're exposed to bright, hot sunlight—protect your eyes with Cool-Ray Sun Glasses!

Unlike the lenses in ordinary "dark" glasses, Cool-Ray Sun Glasses have lenses specially compounded to absorb the invisible infra-red (heat) rays—the rays that make your eyes feel hot and "burny"—and also ultra-violet (sunburn) rays. Actually this means that Cool-Ray Sun Glasses give you 3-way eye-protection!...



1. GLARE (overbright light). Cool-Ray Sun Glasses cut excessive glare. You get plenty of "seeing" light! 2. HEAT (infra-red) rays. Cool-Ray Sun Glasses stop harmful heat rays. You get cool, refreshing vision. 3. SUNBURN (ultra-violet) rays. Cool-Ray Sun Glasses protect against excessive sunburn rays!

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COOL-RAY Sun Glasses have optically ground and polished lenses, designed to give you cool vision. Try them... \$1.50 up.



Chase away that "smoky taste" between smokes. Tuck a taste-refreshing Luden's into your mouth. Clean, cool menthol clears it for the next smoke, steps up your smoking pleasure.



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MANY NEVER SUSPECT CAUSE OF BACKACHES

This Old Treatment Often
Brings Happy Relief

Many sufferers relieve nagging backache quickly, once they discover that the real cause of their trouble may be tired kidneys. The kidneys are Nature's chief way of taking the excess acids and waste out of the blood. They help most people pass about 3 pints a day.

When disorder of kidney function permits poisonous matter to remain in your blood, it may cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness.

Don't wait! Ask your druggist for Doan's Pills, used successfully by millions for over 40 years. They give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from the blood. Get Doan's Pills.

stop Scratching *Relieve Itch Fast* or Money Back

For quick relief from itching caused by eczema, pimples, athlete's foot, scabs, scabies, and other skin troubles, use world famous, cooling, medicated, liquid D. D. D. PRESCRIPTION. Greaseless, stainless. Soothes, comforts and checks intense itching speedily. 30c trial bottle proves it, or your money back. Ask your druggist today for D. D. D. PRESCRIPTION.

A SPECIAL PREPARATION FOR SHAVING

FOR THE 1 MAN IN 7
WHO SHAVES DAILY

It Needs No Brush
Not Greasy or Sticky

Modern life now demands at least 1 man in 7 shave every day—and men in service must get clean shaves, too. Yet daily shaving often causes razor scrape, irritation.

To help men solve this problem, we perfected Glider—a rich, soothing cream. It's like your wife's "vanishing cream"—not greasy or sticky.

SMOOTHS DOWN SKIN

You first wash your face thoroughly with hot water and soap to remove grit and the oil from the skin that collects on whiskers every 24 hours. Then spread on Glider quickly and easily with your fingers. Never a brush. Instantly Glider smooths down the flaky top layer of your skin. It enables the razor's sharp edge to glide over your skin, cutting your whiskers close and clean without scraping or irritating the skin.

ESPECIALLY FOR THE 1 MAN IN 7 WHO SHAVES DAILY

For men who must shave every day—doctors, lawyers, businessmen, service men—Glider is invaluable. It eliminates the dangers frequent shaving may have for the tender face and leaves your skin smoother, cleaner. Glider has been developed by The J. B. Williams Co., who have been making fine shaving preparations for over 100 years.

SEND FOR GUEST-SIZE TUBE

If you want to try Glider right away, get a regular tube from your dealer. If you can wait a few days, however, we'll send a generous Guest-Size tube for only a dime and any used metal tube. It is enough for three weeks and is very handy for traveling.

On this test we rest our case entirely—for we are positive that Glider will give you more shaving comfort than anything you've used.

Send your name and address with ten cents and a used tube to The J. B. Williams Co., Dept. CG-13, Glastonbury, Conn. Offer good in U. S. A. and Canada only.

Ernest B. Kuhlman
PRESIDENT

THE BATTLE FOR EGYPT (continued)

able, it often grows in speed. The flap, gathering vehicles as it goes, snowballs along. When communications and reconnaissance are poor, as British ones generally were, a flap is hard to stop once it gets going. In the desert, large routs from little flaps have often grown.

In early May in the desert the British soldier said, "Well, thank God, with improved communications we'll have no more flaps now."

But unhappily, the thing nearly all the British said in the desert was still, "When will Rommel strike again?" Seldom, "When will we strike at him?" Of all the things the British lacked in the desert, the offensive spirit is what they lacked most.

And then, on May 26, the sixth and perhaps the last movement of Rommel's great Libyan Symphony began. In great and hideous cacophony his new Mark IV tanks met General Ritchie's General Grants in the field before Tmimi and Mekili. The battle swirled and eddied, back and forth, encirclers being encircled, and again encircling the encirclers. And then a few days later General Ritchie announced that Rommel's great armored division was trapped hopelessly—no, almost hopelessly—no, he had gotten away for a little time. Ritchie pursued relentlessly as Rommel's armored forces fled. And Auchinleck wired Ritchie as he followed hard on the heels of the "routed" Afrika Korps: "Well done, indeed, 8th Army. Stick it. Hang on to him. Never leave him. Don't let him get away. Give him no rest. Good luck to you all."

Rommel seemed to be falling back and Ritchie to be pursuing. But suddenly the picture changed as the German tanks faded away and bewildered Ritchie met a great battery, a mass formation, of Rommel's 88-mm. all-purpose, self-propelled or tractor-drawn guns firing point-blank, head on. (The British had an 87-mm. gun, but unfortunately, Rommel's had far greater velocity and smashing power.) Brilliant new Rommelian tactics or old-fashioned ambush—nevertheless in this encounter Rommel, "the Trapped" trapped, captured and destroyed hundreds of Ritchie's tanks, and the iron back of the 8th Imperial Army was broken. Rommel was made a Field Marshal (second class) by Hitler. Circling, swirling, thrusting ahead, Rommel lost neither his head nor his forward momentum. The Nazi rubber band stretched free and fast across Libya again. Ritchie's army was in full retreat. British supply vehicles were flapping again everywhere. On June 20 Rommel had reached Tobruch. He drew up his heavy assault guns, and Tobruch fell. Rommel had captured 30-odd thousand British soldiers there, and behind him he had captured vast dumps of oil and munitions, where the British rubber band had snapped in a dozen places. Pausing neither for breath nor congratulatory applause as he was dubbed a full-fledged Field Marshal, Rommel drove into Egypt, on past Salûm, to Sidi Barrâni, to Mersa Matruh, to El Alamein, 70 miles from Alexandria.

* * *

Field Marshal Rommel has best commanded the three inanimate generals of war in the desert: iron, water, and sand. He had, in short, made the most of the tactician's paradise, and the best of the quartermaster's hell. Today, the Battle for Libya stands tragically revealed for what it always was—the Battle for Egypt.



In high good humor, German subalterns in Afrika Korps brandish beer bottles, grip bayonets fearfully between teeth while posing for picture to be sent to homefolks.

WHICH? YOU CHOOSE!



SOME TEETH ARE NATURALLY HARD TO BRYTEN

Therefore IODENT No. 2 in the big jar can was created by a Dental Heavy featured it clings till it cleans

IODENT No. 1 in the big jar can especially designed for easy to bryten teeth deal for children's tiny teeth and tender gums

Choose the IODENT or your type of teeth. Enjoy the clean, minty flavor the real action of using a fine dent free especially made by a dentist to wear your teeth safely



New NEET DEODORANT



FOR UNDER THE ARMS of a NATION UNDER ARMS

Whether you're engaged in war work, or the important job of being a woman, the sensational new NEET Cream Deodorant will preserve and defend your daintiness.

New NEET Cream Deodorant is a sure way of instantly stopping under-arm odor and perspiration from one to three days! A featherweight, stainless, greaseless cream, that vanishes almost instantly, makes armpits dry and free of odor. Will not irritate the skin, or injure clothing.

Buy new NEET Cream Deodorant in the Blue and White jar today. Does not dry or cake in jar! Generous 10¢ and 29¢ sizes plus tax.

KEEP NEET WITH...
New Neet Deodorant
GUARANTEED BY THE MAKERS OF NEET DEODORANT



Brief Communiqué to Memorable Radio Experience

CHUNGKING, June 21 (AP)—The text of the Chinese communiqué today

Rocks, hand grenades and machine guns all played an important part in fighting outside Linhsien. Japanese troops occupying Linhsien continued to advance northward the morning of June 11.

Three attacks were attempted by the Japanese on June 13 and June 14. On each occasion the Chinese repulsed the Japanese attack by concentrated machine-gun fire and by hurling stones at the enemy, who was trying to storm the mountain pass.



1. Bulletins from Chiang Kai-shek's headquarters must cover at least three fronts in these days of Japan's renewed attempts to finish off the China "incident." So from any single theater of action, the communiqués give only a suggestion of the Chinese people's staunch, unending resistance.

2. But TIME has its own correspondent in China, Jack Belden. Jack ran his jeep all over Burma as the Japs poured in, and now works out of Chungking. In his full

and colorful cables to TIME, the editors of radio's March of Time find descriptions of last-ditch determination that light up China's struggle in all its fury and glory.



LING LIANG MO

3. Belden's stories tell of Chinese villages where every inhabitant big enough to handle a weapon comes out to fight at the approach of the Japanese. Boys, girls, mothers, old men. If guns or hand grenades can be had, they use them. But if not, they make for the hilltops above the ravines where the invading foe must pass.



4. Radio's March of Time shows you what happens to these people... makes you feel and hear the long watch—the indrawn breath—the signal. Then the crash and roar—the futile shouts of warning below—the taunting yells above, as a Stone Age weapon hits its mark.



5. On radio's March of Time you hear actual people who make news, (such as Major-General Chu of the Pacific War Council, shown here with TIME correspondent Jerry Greene). You hear actual firsthand stories from eyewitnesses... reports from TIME's correspondents all over the globe... London, Washington, Ankara, Chungking—Australia, India, Russia. You get today's fresh news, along with re-enactments of the week's big dramatic climaxes. You get a new, clear picture of this war-tossed world.

The March of Time

• Radio's most dramatic coverage of the news you need to know

NOW ON THE AIR THURSDAY NIGHT
10:30 P.M., EASTERN WAR TIME • NBC NETWORK



PRESIDENT ROOSEVELT **wrote the first paragraph of this ad**

...when he made his fireside chat on February 23rd

"It is essential that we help China in her magnificent defense and in the inevitable counter-offensive—for that is one important element in the ultimate defeat of Japan."

The President's statement has an important meaning for *all* Americans.

Not just for the American officers and men whose job it is to fight the Japanese on China's soil... nor just for the American workers who are rushing the planes that will go to China's help...

But the President's words have meaning for every ordinary man and woman and child who wants to do his full share in winning the war.

For the men and women and children of em-

battled China most desperately need the kind of help that only our citizens can give.

They need our help in bandages and medicines and food, in care for their thousands of hungry, homeless orphans, in training for their young leaders, in equipment for their "vest pocket factories" to make the things they need. For five long, bitter years they have fought unrelentingly against invasion. Today, along a two thousand mile front, they are bearing the concentrated thrust of Japan's land armies and today, after five years of war, they are terribly short of everything—except undying courage—that a civilian population needs to fight with

And they are looking to the people of America, their great ally, to help them carry on.

United China Relief has set out to raise

\$7,000,000 to help supply the Chinese with the things they must have. A portion of that sum has already been contributed by Americans in every walk of life in every part of our land. But the goal has not yet been reached, and this message is directed to all those who have not yet given to ask them to join in helping our ally in her urgent hour of need.

Won't you do your part by clipping the coupon on the opposite page and sending it to United China Relief with your contribution today?

UNITED CHINA RELIEF
INCORPORATED

1790 BROADWAY
NEW YORK, N. Y.



WHAT FIVE YEARS OF WAR HAVE COST CHINA

More than 3,200,000 Chinese soldiers—soldiers like your sons and husbands and brothers—are dead or wounded.

50,000,000 Chinese civilians—all as peaceable and home-loving as you and your neighbors—are homeless.

2,000,000 Chinese children—innocent children as helpless as yours—are orphans.

WHAT AMERICAN DOLLARS WILL DO IN CHINA

Our Government has granted China a loan for military purposes and to stabilize her currency. Lend-lease aid, when possible, will make vitally needed equipment available to China's armies. *But China's civilians are desperately in need of further help.*

That is the job of the United China Relief—the job your dollars are now needed to carry on. Here are examples of how far those American dollars of yours will go in China to feed the starving, care for the sick and provide for the homeless:

- \$1** will provide food, shelter and medical care for a homeless child for a month.
- \$5** will supply anaesthetic for 200 persons, or disinfect the wounds of 250 people, or purchase 350 doses of the new sulpha drug—sulphathiazole—to combat pneumonia or blood poison.
- \$25** will treat 50 patients suffering from relapsing fever, or sterilize drinking water for 25,000 people, or buy 54 dozens of surgical needles desperately needed in China.
- \$50** will provide emergency treatment for scores of air raid victims.
- \$100** will buy 10,000 special formula vitamin capsules of high potency for countless undernourished and ricket-ridden children in China. Will provide emergency treatment for 100 air raid victims.
- \$500** will buy 5 medical microscopes for the training of medical personnel or 17 specially constructed aluminum surgical sterilizers for use in the Base Hospitals.
- \$1,000** will establish two "vest pocket" industries, one to manufacture small arms and ammunition, the other to manufacture bandages and blankets.

YOU HELP WIN THE WAR—WHEN YOU HELP CHINA



UNITED CHINA RELIEF, INC.
1790 Broadway, New York City

To help the gallant Chinese, I subscribe toward the \$7,000,000 United China Relief goal, the sum of _____

_____ Dollars (\$_____).

M. _____

STREET _____

CITY _____ STATE _____

MY CHECK IS ENCLOSED.

Checks should be made payable to United China Relief, Inc. Contributions are deductible for income tax purposes as provided by law.



Life Goes Canoeing Along the Potomac

Young government workers explore the river

From its headwaters high in the Alleghenies the Potomac tumbles turbulently at first, then flows more broadly and gently south and east until it laps at the front door of the nation's capital, and spreads itself in panoramic splendor before the green lawns of Mount Vernon.

Busiest part of the leisurely river is a two-mile reach upstream from Key Bridge, which connects Washington and Virginia. Here on a hot summer day are hundreds of small boats filled with boys and girls who work in government offices, small children and tired old men who sit all day in the sun and fish from flat-bottomed rowboats.

To escape the wilting heat of the city on a torrid Sunday in June, four young people, three of whom work during the week at Selective Service headquarters, took to the river in a canoe, equipped with bathing suits, picnic food and a generous amount of sun-tan oil. For two hours they stood in line at Dempsey's boathouse, shoved off at noon and paddled up the river toward Chain Bridge. They stopped at the High & Dry float for lemonade and splashed awhile in a waterfall that trickled coolly down from rocks among the trees. Finding an island out in the middle of the river, the girls slipped out of the canoe and into the shadowy water of a rocky cave (see opposite page) while the boys went looking for wood to build a picnic fire.

Finding no fuel, they pushed off the canoe again and paddled for the nearest riverbank where they quickly built a fire that would have done credit to a Boy Scout, and wolfed hungrily into a pile of hotdogs and buns. After a brief rest under shady trees they started down the river again, stopping at an amusement float to dance to the music of a juke box. When the shadows grew long and holiday sounds on the water dropped to a murmur they paddled back to the dock, turned in their rented canoe and went home to nurse their sunburns.



Hotdogs and buns provide good plebeian lunch. Ira, who takes over food (above), appears in the picture on the opposite page with her friend Jackie (foreground).



Canoe is launched in shadow of Key Bridge, named for Francis Scott Key, author of *The Star-Spangled Banner*. Norman Mac Millan, reception clerk at War Department, gives a mighty shove as Ira Kale, Jackie Fultz and Harry Raider (left to right), all Selective Service employees, stand by ready to lend a hand and impatient to be off.



Lazing along, the boys take it easy and the girls ply an indolent paddle near overhanging trees along the bank, which rises sheer and wooded on one side of river. Growing thirsty in noonday sun, they stop (below) for refreshment at floating pop stand. Hawkers in boats also supply soda water, cigarets and candy for river trade.





It's up to me to keep my family fit with nutritious foods

"I'm following our Nutritional Authorities' advice to Americans, by including in my daily menus the recommended types of food. High among these stand the whole grain foods, recognized as sources of energy values, vitamins and minerals.

And the refreshing, nut-like flavor of Nabisco Shredded Wheat—100% whole wheat in its most delicious form—makes it mighty easy to follow this important rule of nutrition. Here, too, is a good source of Vitamin B₁, as *Nature* provides it."



OUR HOME FRONT lies in the kitchens of American homes. When breakfast is built around Nabisco Shredded Wheat (with milk and peaches or other fruit), this nutritious breakfast brings better days for every member of the family. Ask for it by the full name—Nabisco Shredded Wheat.



CHILDREN, TOO, CAN HELP. And they, also, need energy foods. Nabisco Shredded Wheat gives all of whole wheat's energy. It is, as well, a good source, per ounce *as eaten*, of Vitamin B₁, as *Nature* provides it—the vitamin that helps convert other foods into up-and-coming energy.

A good source of Vitamin B₁ as Nature provides it

U.S. NEEDS US STRONG

THIS TYPE OF FOOD IS AMONG THOSE RECOMMENDED IN THE NUTRITION FOOD RULES

NABISCO SHREDDED WHEAT

The Original Whole Grain Flakes

Baked by NABISCO . . . NATIONAL BISCUIT COMPANY



Broiling sun is turning Ira's shoulders rosy-red as the girls sun themselves on island-rock retreat. Towers of Georgetown University poke out among trees in background

IN MIDSUMMER NIGHT'S DREAM SETTING, CANOE CARAVANISTS STOP TO COOL





Hand-to-mouth existence can be very pleasant, Harry believes. Jackie seems worried at the danger of losing finger as she feeds him the remains of their picnic lunch.

THEMSELVES IN WATERFALL. HARRY'S PUCKISH CAP GIVES AUTHENTIC TOUCH



Blondes

Even milky-white complexions that usually "burn to a blister" tan easily with GABY.

Brunettes

Whether fair or dark, tan is a look! Use a little, tan a lot. Use a lot, tan a little.

Red Heads

Sunrays become tan-rays—even for those rosy skins that need to "dry and sizzle."

All Three...

TAN

WITH

Gaby

**GREASELESS
SUNTAN LOTION**

10¢ 25¢

50¢ \$1.

(Slightly Higher in Canada)

At toilet and cosmetic counters and 5c and 10c stores

NOT A PAIN... NOT A STAIN

*Just Bask In The Sun
And Have All The Fun*

Wherever the sun shines, you'll find GABY protecting carefree men, women and children from painful sunburn. Try it... it's best for looks, because it's greaseless and invisible. Best for comfort, because it contains no alcohol to dry your skin. Best... under the sun... because GABY promotes a beautiful, even tan. A Double Money-Back Guarantee insures it!

DOUBLE MONEY-BACK GUARANTEE

If it doesn't prove 100% effective return to GABY, Philadelphia, Pa. and we'll cheerfully refund double the purchase price!

AMERICA'S MOST POPULAR SUNTAN LOTION

Dolores Del Rio says...
"Perfect care for smart white shoes?"

SHINOLA WHITE!

See beautiful Dolores Del Rio,
 starred in RKO's "Journey Into Fear"



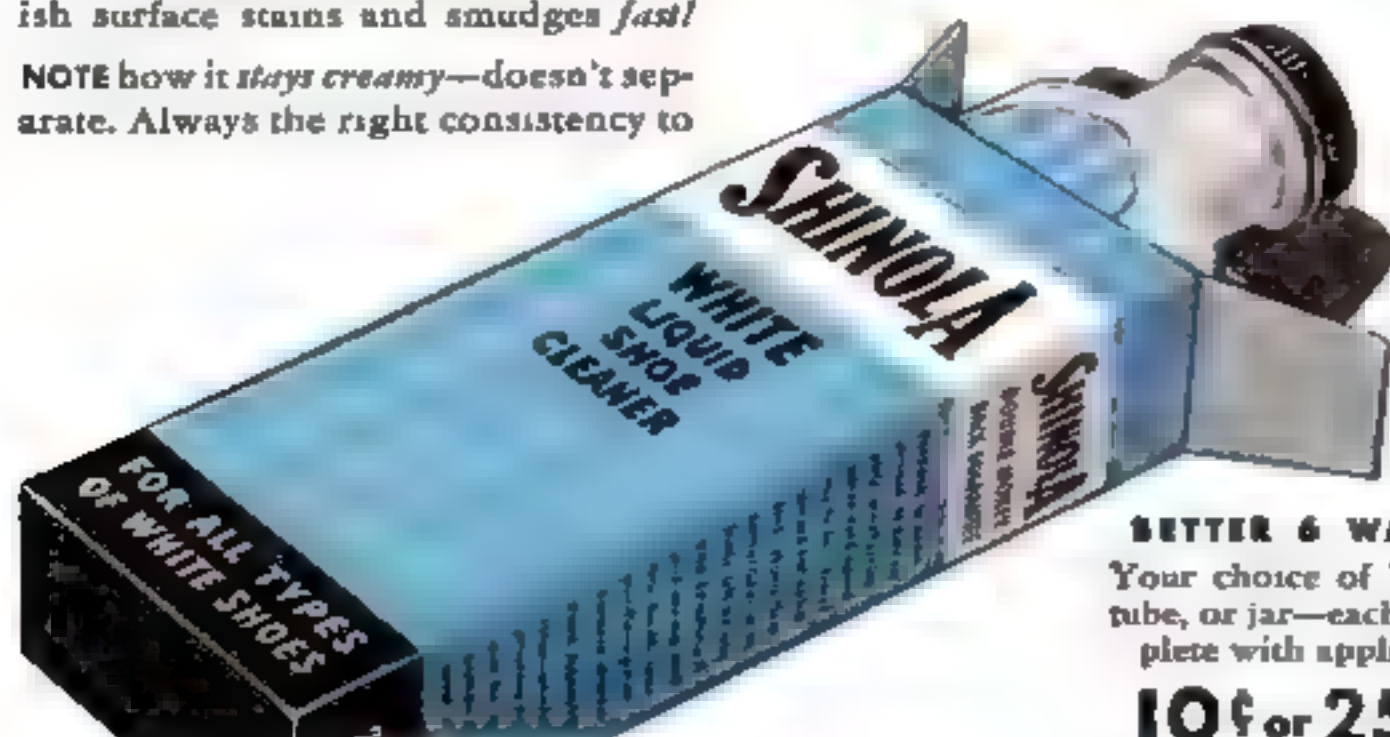
**Imagine—new lotion-cleaner
 actually helps make your
 white shoes last longer!**

• You'll marvel to see soiled white shoes step out smart as a handbox, soft as a glove... and keep that handsome "new-shoe look" *months* longer when cared for with new Shinola White! For you see, this snowy lotion-cleaner is actually a complete shoe-beautifying treatment, offering *six* unusual advantages:

1. **SEE** Shinola's *whitest white pigment* restore all kinds of white shoes to snowy whiteness in a jiffy!
2. **WATCH** its special active cleanser banish surface stains and smudges *fast*!
3. **NOTE** how it *stays creamy*—doesn't separate. Always the right consistency to

spread evenly, cover thoroughly. Dries quickly, non-streaky too!

4. **FEEL** how *soft and comfortable* shoes become as Shinola White's special ingredient helps keep leather lively and flexible—longer lasting!
5. **ENJOY** its distinctive *fresh fragrance* that makes it a pleasure to use!
6. **COMPLETE SATISFACTION GUARANTEED!** If not delighted, mail bottle to address on package for double your money.



BETTER 6 WAYS!
 Your choice of bottle,
 tube, or jar—each com-
 plete with applicator
10¢ or 25¢



"U. S. Ships Entering Reykjavik" shows a grand armada (left to right) of cargo ships, a transport, a tanker, light cruisers, battleships and an escort of screening destroyers.

COALE'S LOG PICTURES HIS VIVID

This week Griffith Baily Coale will publish *North Atlantic Patrol, The Log Of A Seagoing Artist* (Farrar & Rinehart, Inc.), illustrated by his own pictures made last autumn. LIFE readers first saw part of this vivid record in the Jan. 19 issue, wherein Coale gave an eyewitness account of the historic *Reuben James*, first U. S. warship lost in this war.

Coale was commissioned a lieutenant commander in the Navy for the express purpose of making pictorial records. Before that he was well known for his colossal mural projects, which he carried out with something of a seaman's fortitude. While painting the history of New York for the New York Trust Co., he once stayed on his scaffold, like



"Newfoundland" is a rough oil painting of a group of PBY patrol planes bobbing at anchor near the big tender where they are serviced and repaired. Directly above the



On shore the Icelanders leave their houses to watch the big show from a hill. Coale made this small-scale sketch as a proposed mural decoration for U.S. Naval Academy.

ADVENTURE ON THE NORTH ATLANTIC

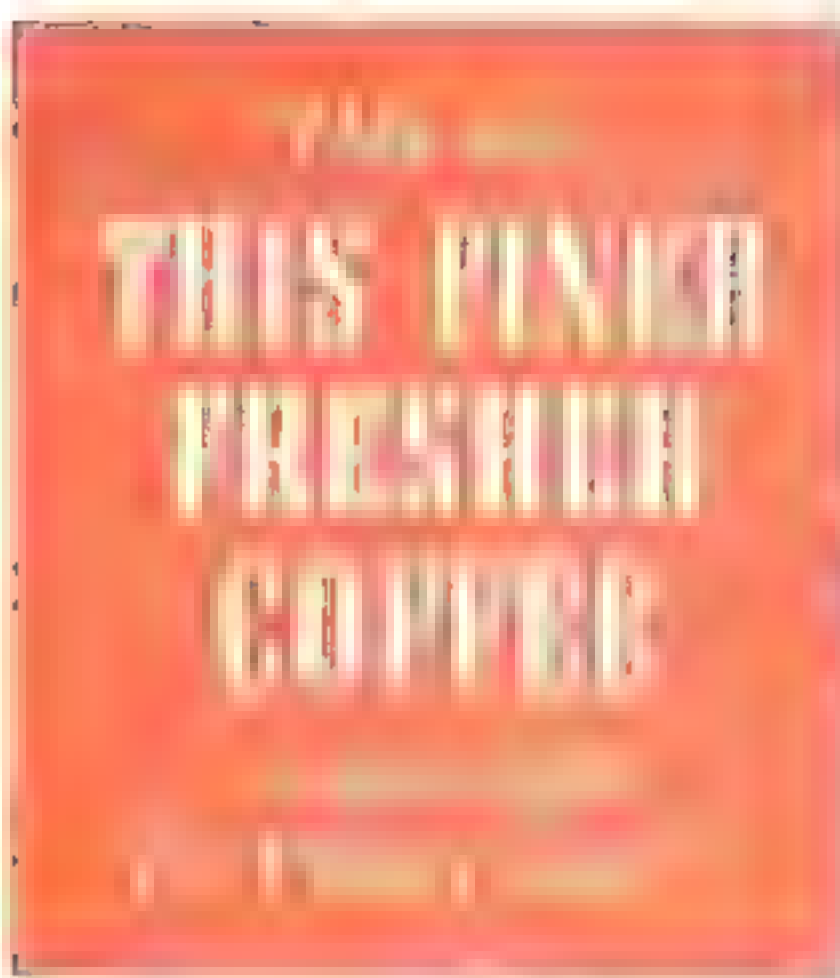
a captain on a bridge, for 75 hours straight and made a practice of working 18 hours a day. Coale is also a nautical expert. With his wife, the daughter of New York's Bishop William Manning, he makes his summer home at Stonington, Conn. in an old whaler's cottage.

A good half of Coale's short log, with an introduction by Stephen Vincent Benét, consists of drawings and paintings. Four of them are reproduced here. Coale ranks as one of the most competent members of the artist-reporter group now covering the war, for in his direct, factual approach to his subject he lets the subject speak eloquently for itself. At present Lieutenant Commander Coale is stationed in the Pacific.



stern of the tender rises the famous mountain called by sailors "Mae West." Struggling to grow on gravel beach are low scrubby evergreens typical of Newfoundland.

CONTINUED ON NEXT PAGE



The pick of the plantations... expertly blended and roasted... delivered swiftly to A&P Stores, still in the flavor-sealed can. When you buy it at A&P, it's Custom Ground (especially ground) for your very own coffeemaker. A&P Coffee appeals to every enthusiast of fine coffee—because of its magnificent flavor!

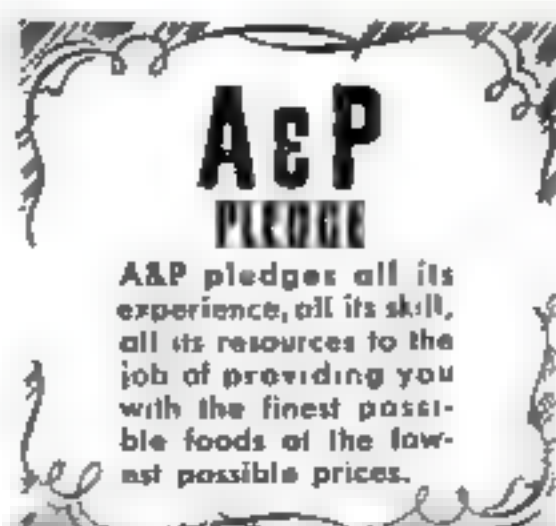
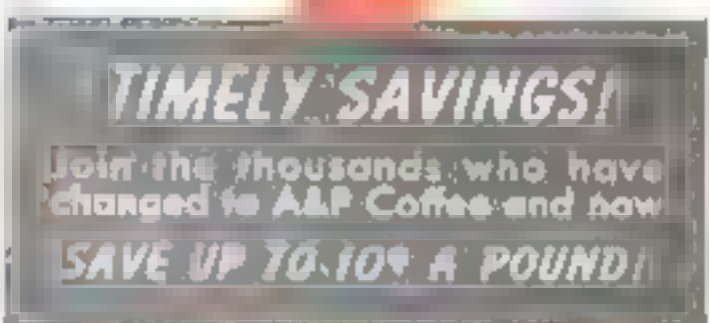
I love my husband! If right in the morning—with a steaming cup of A&P Coffee. And it fills his vacuum bottle too, because he loves this fresh coffee makes his Monday meal just right!



It's so good because it's the pick of the plantations... expertly blended and roasted... delivered swiftly to A&P Stores, still in the flavor-sealed can. When you buy it at A&P, it's Custom Ground (especially ground) for your very own coffeemaker. A&P Coffee appeals to every enthusiast of fine coffee—because of its magnificent flavor!



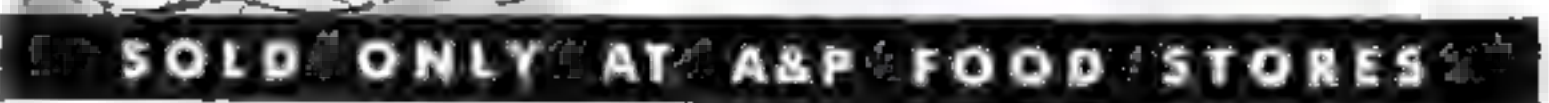
***A&P Coffee is the pick of the plantations... expertly blended and roasted... delivered swiftly to A&P Stores, still in the flavor-sealed can. When you buy it at A&P, it's Custom Ground (especially ground) for your very own coffeemaker. A&P Coffee appeals to every enthusiast of fine coffee—because of its magnificent flavor!



Save up to 25%* ON MANY FINE FOODS

*Many A&P brands bring you savings up to 25% compared to prices usually asked for other nationally known products of comparable quality. You'll enjoy the goodness of our—

- | | |
|---|---------------------------|
| Eight O'Clock, Red Circle and Bokar Coffees | Sunnyfield Butter |
| White House Evap. Milk | Mel-O-Bit Cheese |
| The 33 Ann Page Foods | 12 White Salt |
| Marvel Enriched Bread | Household Products |
| Jane Parker Cakes | 7 Sunnyfield Cereals |
| Rolls and Dated Dan's | Sunnyfield Hams and |
| 34 A&P Canned Fruits and Vegetables | Smoked Meats |
| | Sunnyfield Flours |
| | and many other fine foods |



CLARK'S

new exciting flavors
catch America's fancy



Clark's Teaberry Gum
is different... Its tantalizing flavor is taken from the mountain-grown Teaberry leaves... leaves full of crisp freshness and mountain fragrance. You'll like it... everybody does. "A different flavor, mountain fresh."

Clark's Tendermint Gum
is flavored from only the choicest Mint leaves... fresh from the dew-drenched fields and valleys... full of pleasant taste and fragrant flavor. Try a package today... It's different... Naturally.

ASK FOR -
REACH FOR

CLARK'S

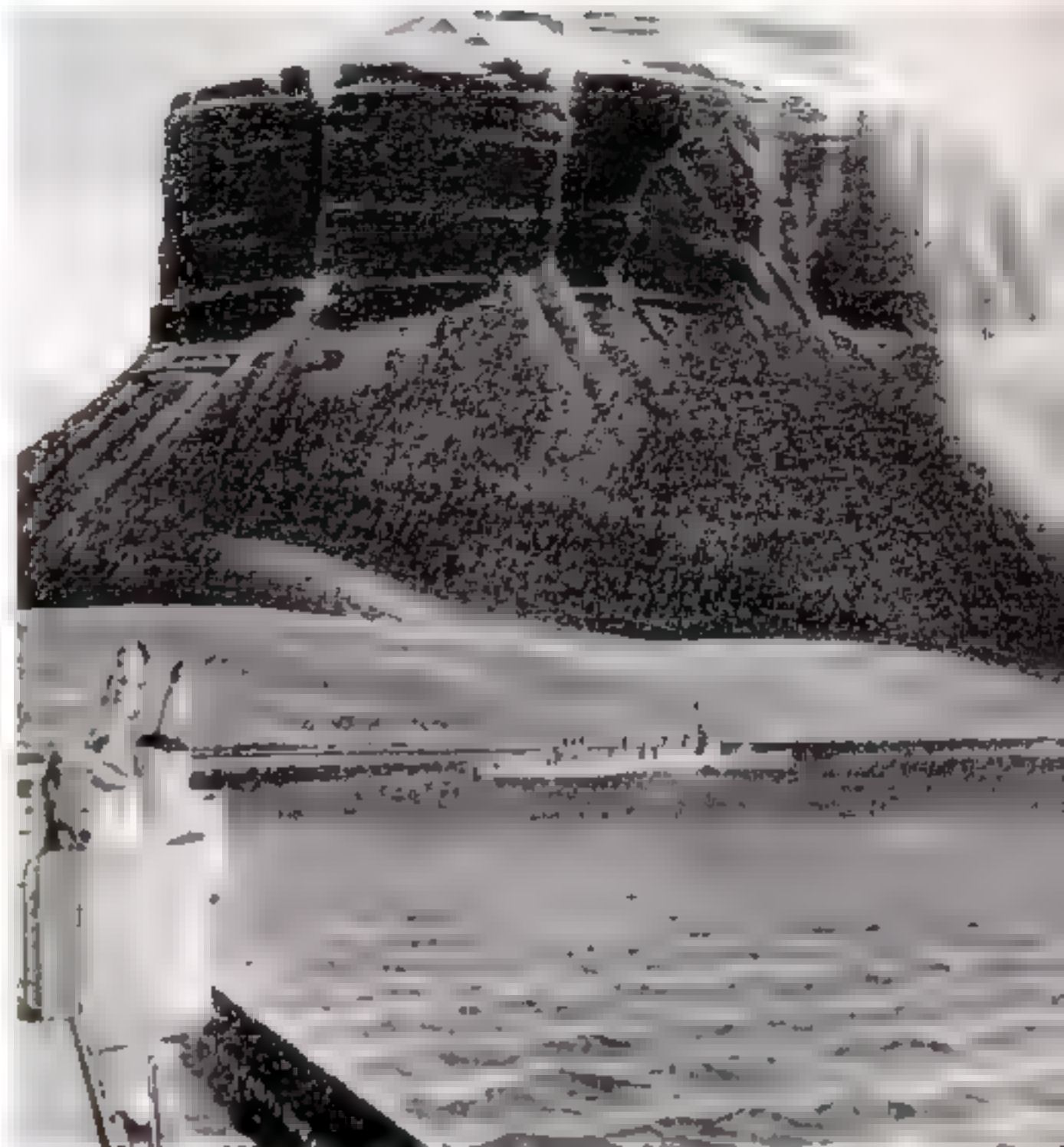
Chewing Gum

IT'S DIFFERENT... NATURALLY!

PRODUCTS OF CLARK BROS. CHEWING GUM COMPANY OF PITTSBURGH, PENNA.

© 94 G.B.L. Inc.

Coale's Log (continued)



"Hvalljardur, Iceland" was drawn from the portside of a new-type destroyer, looking aft toward a great granite-like escarpment fringed with snow like a working cake.



"Pay Day, 'Newire' Workmen" shows workers on naval construction jobs (see right) in Newfoundland standing in line to cash their pay checks at a bank which posts its



At right is a big tender with a group of destroyers anchored around her. In this excellent drawing Coale makes a fine, flinty pattern of parallel lines on water and rock.



curious schedule of banking hours above the entrance. This royal edifice is built on a deep, odoriferous peat bog which shakes whenever a construction truck rolls by.

YOU'LL find the Quaker State sign along every highway in the United States. It's a part of the landscape. It's always there. You can't miss it, no matter where you drive.

And remember, when you see it, that every mile of Quaker State's march from coast to coast was a fighting mile. It won its own battles. It proved its own quality. It came into leadership the hard way...by sheer merit.

Today, four great refineries supply millions of motorists with millions of gallons of Stabilized Quaker State Motor Oil. And every year the demand increases. Motorists know how stubbornly Quaker State resists oxidation, with its resulting sludge, varnish and corrosion. They know how really economical Quaker State Motor Oil proves to be...know that its extra protection is a money-saving device used by wise drivers everywhere...Quaker State Oil Refining Corporation, Oil City, Pennsylvania.



"BETTER BUY *Van Heusen*
IF YOU WANT A BETTER SHIRT"

Famous
with ~~detachable~~
collar attached.

Action room
at armholes,
elbows, shoulders.

Shaped body-cut
for natural fit.

Laundry-approved,
Sanitized fabrics.

Van Heusen
Shirts...\$2²⁵
AND UP

SHIRTS • COLLARS
TIES • PAJAMAS
SPORTSWEAR

COPYRIGHT 1943, PHILLIPS-JONES CORP., N.Y.

PICTURES TO THE EDITORS

HALF AND HALF

Sirs

What happens when two fishermen disagree is graphically illustrated in the two pictures below. Gus and William, businessmen and nature lovers, thoroughly enjoyed the peace and quiet of their jointly owned little cabin on the banks of the

Blue River near Lincoln, Neb. But when the peace was shattered by an argument, Gus found that words alone could not properly express his feelings. He sawed the cabin in half, removed his own rubble to the other river bank.

C. G. FLYNN

Lincoln, Neb.



IN THE BAG

Sirs

Your magazine printed (LIFE, April 27) a picture of a private desperately searching for his bag among the hundreds lying scattered on the ground. I am sending you two photographs showing how my friend, Fritz Weinschrek, has solved the problem of keeping track of his bag and

establishing a permanent claim on it. He says it is quite easy to do and he should know! In the first picture (below left) he has put all of himself except his grin in his barracks bag. In the second he is shown completely camouflaged except for a small portion of the top of his head.

PRIVATE GEORGE TROVILLO
Camp Croft, S. C.





GARDENER: Notice how much better your Pa looks than he did when you went away?

SOLDIER: Sure do, Uncle Henry, he says it's because he's taking NUJOL for ordinary constipation instead of those upsetting purges.

GARDENER: NUJOL, eh? a mineral oil, isn't it?

SOLDIER: A scientifically controlled mineral oil, Uncle Henry—that's why NUJOL is so dependable. It's tasteless too—and one tablespoonful each night and morning should keep you regular as clockwork. You talk to Dad—he'll tell you how marvelous he thinks NUJOL is!



*Effective,
Gentle,
Regular as
Clockwork*



Copy, 1942, Glaxo Inc.

IF YOU WANT
to subscribe to LIFE, write to
F. D. PRATT, Circulation Manager
LIFE—330 East 22nd Street
Chicago, Illinois
AND ENCLOSE \$4.50

Great Success
to relieve **ITCHING** of

ATHLETE'S FOOT



Many
Druggists
Say
"Nothing
Better"

No matter how tortured you are by itching from cracked, peeling raw skin between toes—just feel how promptly liquid Zemo relieves distress. Thus Zemo gives the irritated skin a chance to heal faster. Zemo—a Doctor's formula—is one product that really works! First trial convinces.

Use Zemo freely—soon your discomfort should disappear. Over 25,000,000 packages of this highly successful home treatment to relieve distress have been sold. It **MUST** be good! 35¢, 60¢, \$1.00. If you have a stubborn case—ask for **Extra-Strength Zemo**. All druggists.

ZEMO

PICTURES TO THE EDITORS

(continued)

PEASANT ART

Sirs:

The enclosed pictures show how an unessential-to-the-war-effort luncheon cloth can be made into a peasant skirt useful on the home front: cut in the middle, sew end to end, gather at the waist and there you are.

EMILY ADAMSON

Brooklyn, N. Y.



Fred Allen says:

To go **FUR**-ther
I recommend Texaco
FIRE-CHIEF Gasoline



You're welcome at

TEXACO DEALERS
in all 48 States



Tune in THE TEXACO STAR THEATRE
every Sunday night—C B S.



PERSPIRATION IS ACID... it *ROTS* silk stockings!

ONLY IVORY SNOW
combines 2 advantages you'll
want in fighting this danger

• To get as much as 20% more wear from your precious silk stockings—to prolong the life of your new rayons too—heed this advice of many experts:

Drop careless, old-fashioned washing methods—rinse out dangerous acid perspiration and soil each day with rich, thorough-cleansing Ivory Snow.

But be sure you use only gentle, safe Ivory Snow. It is new, different—the only soap that combines two great advantages! (See right.) Not a flake... not a powder... Ivory Snow is made in "snowdrop" form to give rich suds in 3 seconds, even in cool water. And how quickly those pure suds act—in 2 minutes you'll be rid of acid perspiration and other soil! You'll get far more wear from your precious silk stockings!

THE TWO ADVANTAGES ONLY IVORY SNOW GIVES YOU



1. It's Ivory pure—wonderfully safe for all your fine washables.

2. It's made in tiny, pure-white "snowdrops." Dissolves in cool water about 4 times faster than any popular soap in this form.

Ivory Snow acts surely against acid perspiration to help stockings L-A-S-T!

TRADEMARK REG. U. S. PAT. OFF. & PROCTER & GAMBLE

99% PURE



Miss Ivory Snow's HINTS ON CARE FOR THOSE DELICATE NEW RAYON STOCKINGS:

1. Don't be careless—wash them in pure Ivory Snow suds after every wearing. Be sure to handle gently.
2. Avoid hot water—it's easy to get rich suds in cool water with Ivory Snow.
3. All-rayon stockings, and stockings in which rayon is combined with other fibres (silk, cotton, nylon), must be thoroughly dry before wearing.

RICH SUDS IN JUST 3 SECONDS—EVEN IN COOL WATER!

PICTURES TO THE EDITORS

(continued)

FISHERMAN'S CATCH

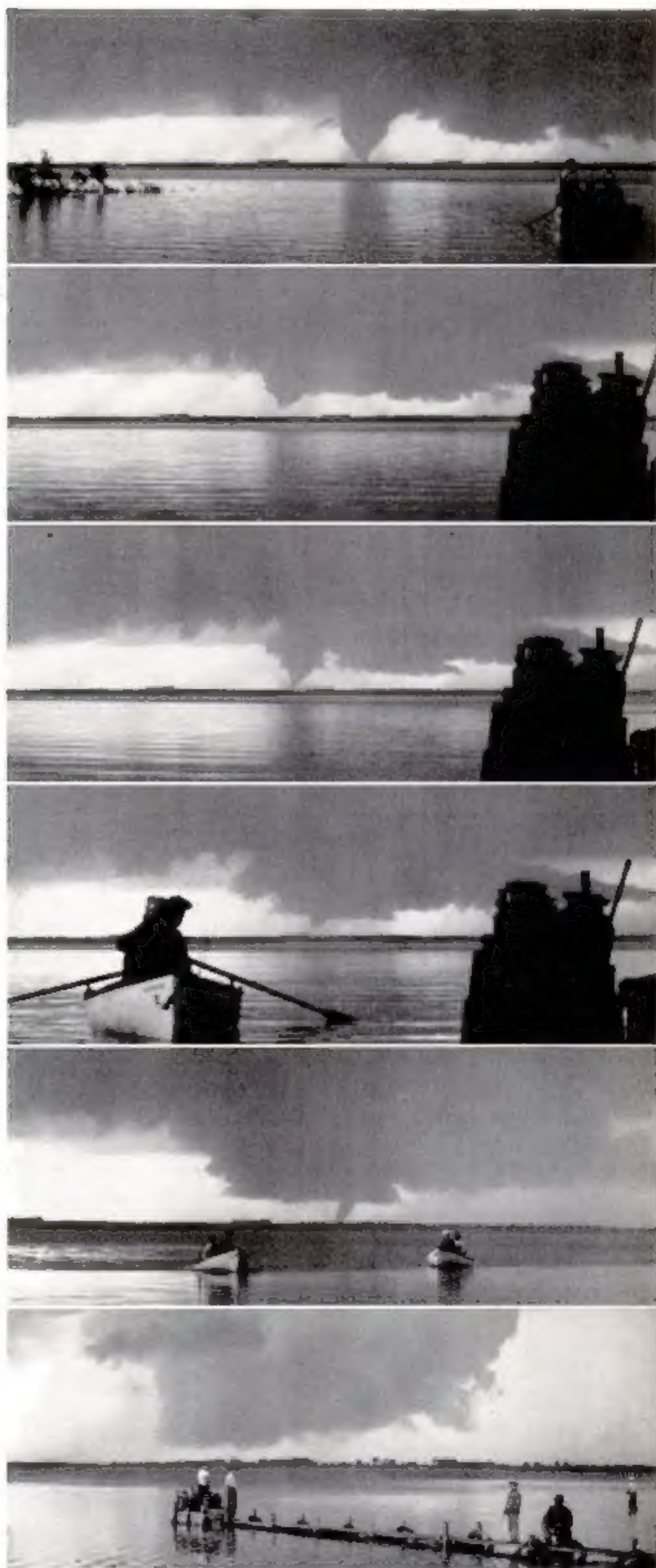
Sirs:

About 5 p.m. on Decoration Day a storm started near Sibley, Iowa. As it moved northeast into Minnesota it grew in terrifying intensity, wrecking farms along its path. My pictures, taken 15 miles away with a telephoto lens, show the tornado as it passed north of Spirit Lake where

hundreds of Iowans were, like myself, enjoying a holiday fishing trip. In the first picture the tornado is getting down to business, its snout squarely between groves of trees silhouetted against the shoreline. It rises, dips again, rises and dips once more, finally breaking up and leaving us to our fishing in the glow of a magnificent sunset.

HERB SCHWARTZ

Des Moines, Iowa



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THAT MAN IS HERE AGAIN...WITH DUBONNET DRINKS!

COOL



Pitcher illustrated contains 10 to 12 Dubonnet Lime Rickeys! Pour contents 1 bottle Dubonnet, add juice 10 limes and shells, large bottle soda. Stir. Serve with ice in tall glasses.



Dubonnet LIME RICKEY
jigger of Dubonnet
juice half lime shell
add ice cubes
fill with soda and stir



Dubonnet HIGHBALL
jigger of Dubonnet
juice of half a lemon
add ice cubes
fill with soda and stir



Dubonnet RUM HIGHBALL
jigger of Dubonnet
jigger of Bacardi
juice of half a lemon
add ice cubes
add soda and stir



MERRY WIDOW
one-half Dubonnet
one-half dry vermouth
serve well chilled, no ice
add twist of lemon peel



Dubonnet MANHATTAN
one-half Dubonnet
one-half rye or bourbon
whiskey, ice, shake
add maraschino cherry
dash Angostura bitters



Dubonnet - SHERRY
one-half Dubonnet
one-half dry sherry
serve well chilled, no ice



Dubonnet - BACARDI
one-half Dubonnet
one-half Bacardi rum
(White or Silver Label)
ice, stir



Dubonnet COCKTAIL
one-half Dubonnet
one-half gin
ice, stir
add twist of lemon peel



Dubonnet OLD FASHIONED
Dubonnet with ice
slice of orange and pineapple
cherry
dash Angostura bitters



Dubonnet STRAIGHT
serve well chilled, no ice

Illustrated, with recipes to match, are just about the ten smartest ways to achieve summer drink distinction! First of all, always keep a bottle of Dubonnet, cooled and ready for service, in your icebox. Then, so versatile is Dubonnet, you are all set for come what may! It's an aperitif... it makes delicious cocktails... it sparks the tangiest, tartest tall coolers you've ever known! Dubonnet makes strikingly different summer drinks. What's more, Dubonnet's most economical (a full 31 oz. bottle is very modestly priced). Nothing you can serve is smarter... or in better taste!

- Tear out this page and keep Dubonnet recipes for ready reference
- Product of U. S. A. Aperitif Wine. Dubonnet Corporation, Philadelphia

whenever you drink... drink...

DUBONNET
The original formula and only genuine
sparks your taste

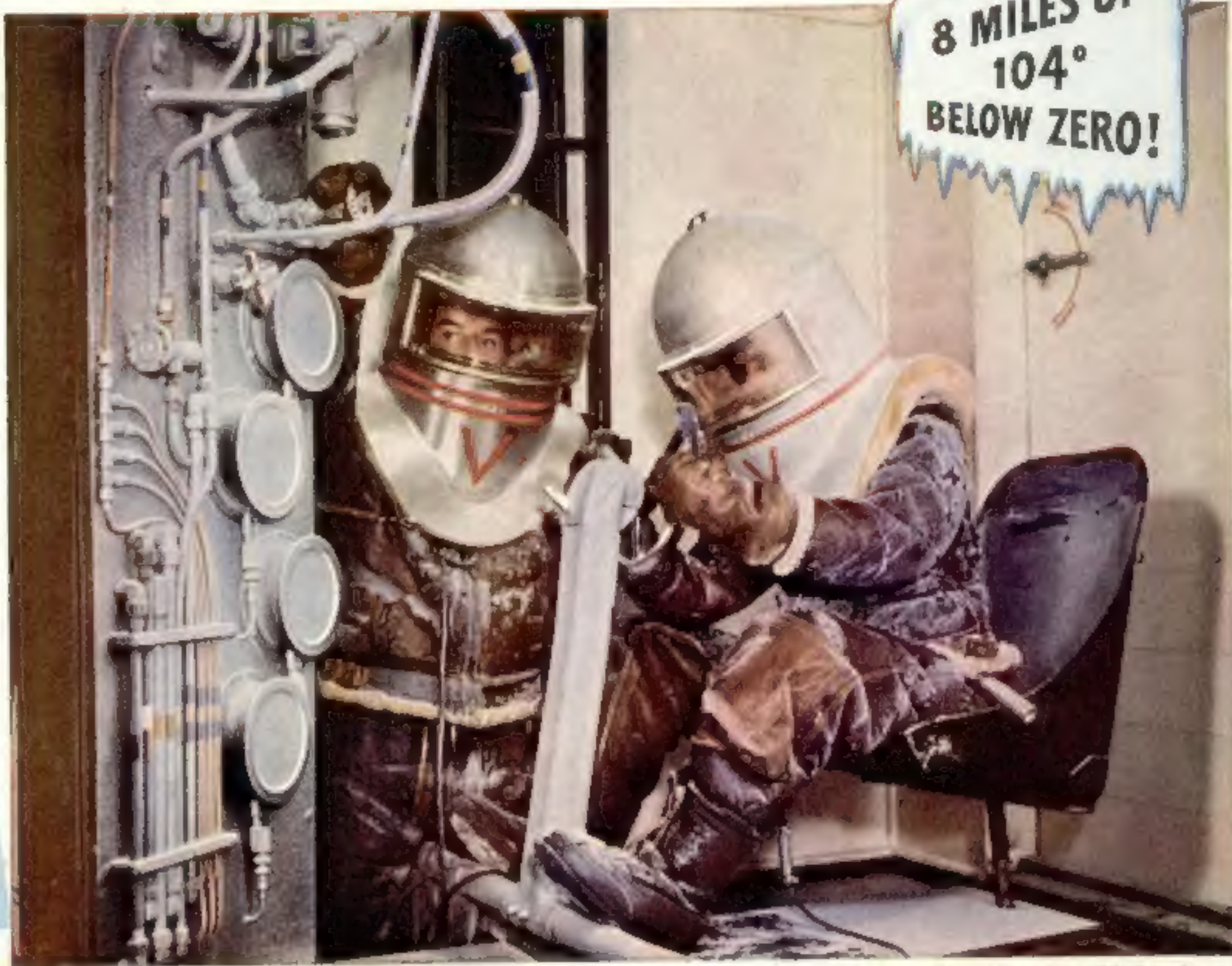
YOU WANT *STEADY NERVES*

to tackle the
"NO MAN'S LAND"
of the skies

UP...UP...UP...40,000 feet,
and beyond! Where temperatures drop
to -100° and below. Where strange
things happen to motors and men.
That's where aviation experts hunt to-
day for the secret weapons of American
air supremacy.

Today, in special laboratories at
Douglas Aircraft Company, engineer
Tom Floyd brings altitude problems
down to earth. But whether you tackle
the upper air in a plane or in a test cham-
ber on the ground, it takes steady nerves.

In every line of duty today—on the
war front or on the home front—steady
nerves are more important than ever.
And if you smoke, mildness means more
than ever before. Take a tip from engi-
neer Tom Floyd—from the men in the
service. Camel is their favorite. For the
mildness that counts, smoke Camels!



"MEN FROM MARS!" Engineer Tom Floyd (right) and technician test bomber-controls in Douglas cold chamber

BEHIND this hermetically sealed window (below),
engineer Floyd tests a new bomber-control in cold
equivalent to 8 miles high. Too cold even to light
up a Camel, but when the time comes, man, will
that smooth, flavorful Camel taste good!

"CAMELS are 'standard equipment'
with me," says Tom Floyd, taking off to
check cold-room tests in actual flight.
That goes for men in the Army, Navy,
Marines, and Coast Guard, too. Sales
records show Camel the favorite.

FOR ALL OF US—in uniform or civvies—this is truly a "war of
nerves." You may be smoking more than you once did. All the
more reason to give extra thought to choosing your cigarette.
Camel—the slow-burning cigarette—is the favorite. "They have the
mildness that counts," says Tom Floyd (below). Science gives you
another angle (see below, left).



R. J. Reynolds Tobacco Company, Winston-Salem, North Carolina



IMPORTANT TO STEADY SMOKERS:

The smoke of **CAMELS**
slow-burning
contains **LESS NICOTINE**

than that of the 4 other largest-selling brands tested—less than any
of them—according to independent scientific tests of the smoke itself!

